

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080519\
 Data File : VU033595.D
 Acq On : 05 Aug 2019 12:28
 Operator : JC/SP
 Sample : VSTD20036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 05 16:56:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 05 16:26:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	367417	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	356137	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	198454	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	464377	181.77	ug/L	0.00
7) Chloroethane-d5	1.66	69	803146	301.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	916142	188.48	ug/L	0.00
21) 2-Butanone-d5	4.15	46	786399	393.02	ug/L	0.00
24) Chloroform-d	4.62	84	908460	190.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	554892	184.98	ug/L	0.00
32) Benzene-d6	5.32	84	1798701	194.89	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	578353	194.23	ug/L	0.00
41) Toluene-d8	7.55	98	1723690	201.05	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	297455	205.00	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	631825	441.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	886833	193.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	718758	188.30	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	634443	180.596	ug/L	99
3) Chloromethane	1.32	50	665813	182.540	ug/L	99
5) Vinyl chloride	1.39	62	735746	190.409	ug/L	98
6) Bromomethane	1.62	94	772716	281.966	ug/L	100
8) Chloroethane	1.68	64	870889	302.666	ug/L	98
9) Trichlorofluoromethane	1.87	101	946150	181.249	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	499015	189.482	ug/L	99
12) 1,1-Dichloroethene	2.27	96	488203	192.945	ug/L	98
13) Acetone	2.32	43	619216	315.690	ug/L	99
14) Carbon disulfide	2.46	76	1490412	197.861	ug/L	99
15) Methyl Acetate	2.60	43	616484	188.579	ug/L	99
16) Methylene chloride	2.68	84	549430	187.459	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	521126	197.694	ug/L	100
18) Methyl tert-butyl Ether	2.98	73	1670436	201.911	ug/L	99
19) 1,1-Dichloroethane	3.42	63	977284	193.289	ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	591405	198.108	ug/L	99
22) 2-Butanone	4.24	43	934025	387.612	ug/L	97
23) Bromochloromethane	4.52	128	294402	192.918	ug/L	98
25) Chloroform	4.65	83	992531	186.936	ug/L	98
27) 1,2-Dichloroethane	5.38	62	789004	193.130	ug/L	99
29) Cyclohexane	4.97	56	896015	217.283	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	857985	196.866	ug/L	99
31) Carbon tetrachloride	5.11	117	769460	202.762	ug/L	99
33) Benzene	5.37	78	2194473	201.588	ug/L	100
34) Trichloroethene	6.16	95	569588	198.733	ug/L	99
35) Methylcyclohexane	6.40	83	966655	222.146	ug/L	99
37) 1,2-Dichloropropane	6.41	63	588827	197.666	ug/L	100
38) Bromodichloromethane	6.73	83	762183	197.466	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	973583	213.618	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	1763278	409.552	ug/L	99

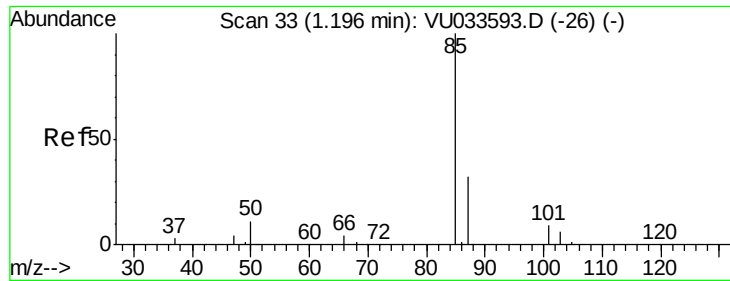
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080519\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	2413951	204.918	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	865124	207.855	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	551392	193.551	ug/L	98
46) Tetrachloroethene	8.21	164	477339	206.732	ug/L	98
48) 2-Hexanone	8.35	43	1426819	411.436	ug/L	99
49) Dibromochloromethane	8.46	129	652864	203.159	ug/L	99
50) 1,2-Dibromoethane	8.57	107	618948	200.379	ug/L	99
51) Chlorobenzene	9.10	112	1533176	199.026	ug/L	100
52) Ethylbenzene	9.23	91	2680909	213.657	ug/L	100
53) m,p-Xylene	9.36	106	1027105	214.895	ug/L	99
54) o-xylene	9.76	106	1010969	214.580	ug/L	96
55) Styrene	9.77	104	1758348	220.101	ug/L	98
56) Isopropylbenzene	10.15	105	2654478	217.554	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	1001618	196.413	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	768831	191.188	ug/L	100
61) Bromoform	9.94	173	522668	200.233	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	1268849	193.331	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	1281425	190.646	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	1270904	193.514	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	249206	197.889	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	1028628	202.980	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	958437	224.919	ug/L	100
69) Naphthalene	13.73	128	2873236	232.123	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	965513	211.974	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 180.596 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

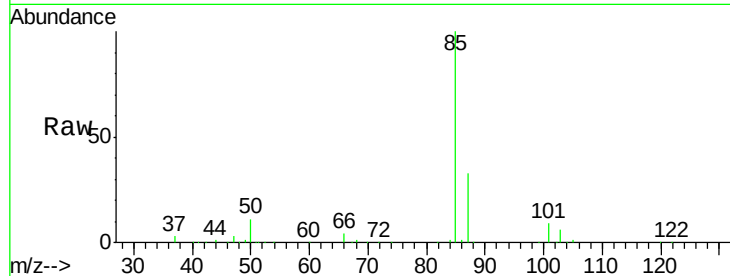
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 634443

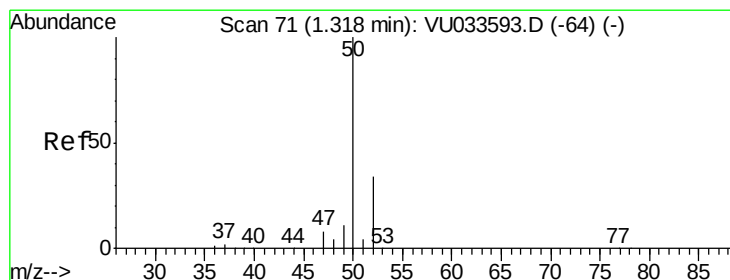
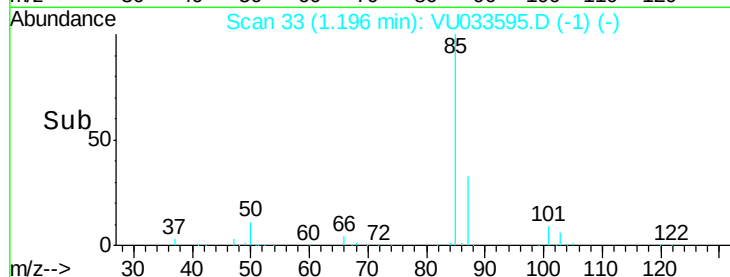
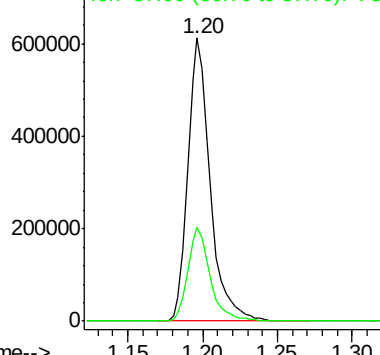
Ion Ratio Lower Upper

85 100

87 32.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 182.540 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033595.D

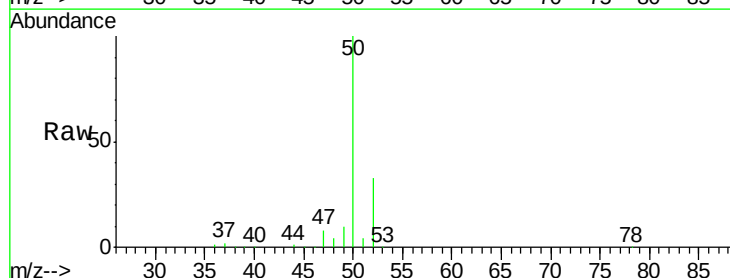
Acq: 05 Aug 2019 12:28

Tgt Ion: 50 Resp: 665813

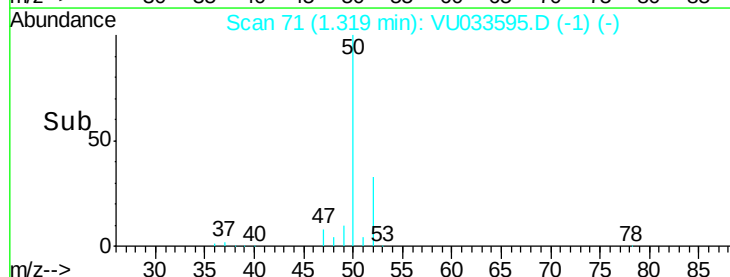
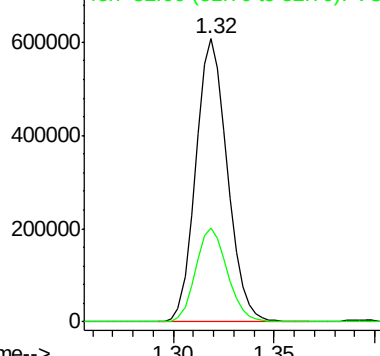
Ion Ratio Lower Upper

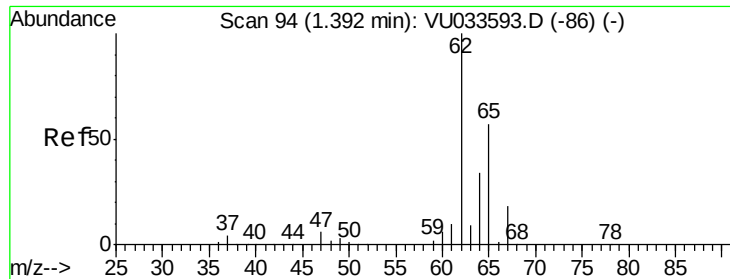
50 100

52 33.1 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VU0
Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 190.409 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

Instrument :

MSVOA_U

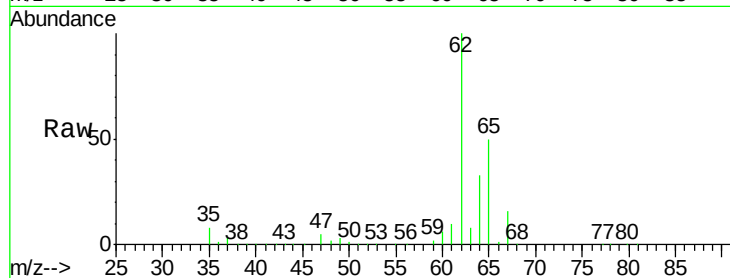
ClientSampleId :

Tot Ion: 62 Resp: 735746

Ion Ratio Lower Upper

62 100

64 32.8 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU033595.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033595.D (-86) (-)

800000

600000

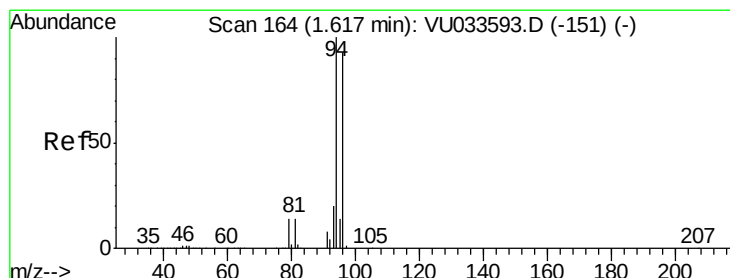
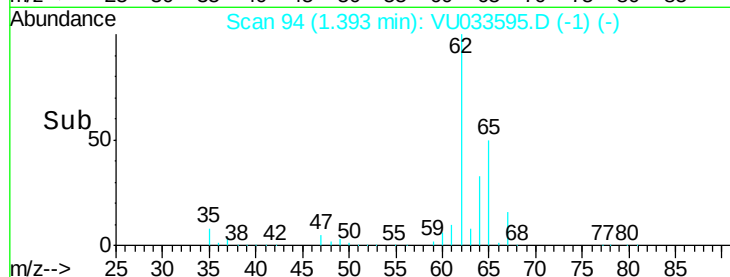
400000

200000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 281.966 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU033595.D

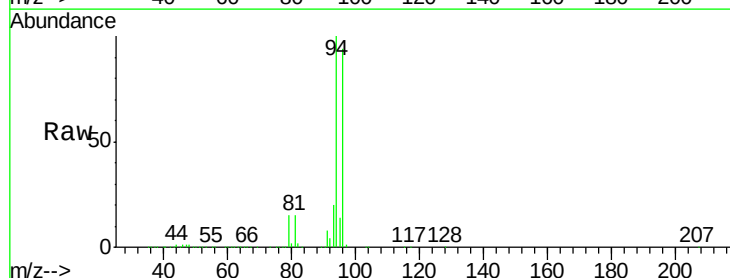
Acq: 05 Aug 2019 12:28

Tgt Ion: 94 Resp: 772716

Ion Ratio Lower Upper

94 100

96 93.6 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU033595.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU033595.D (-151) (-)

800000

600000

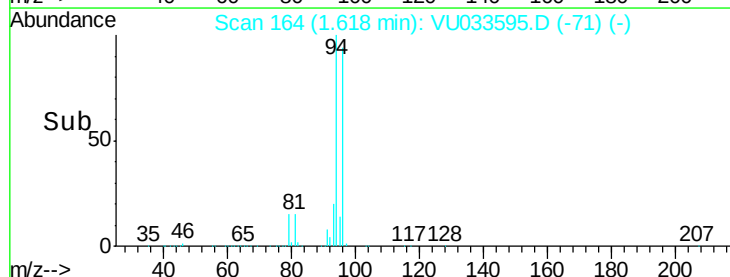
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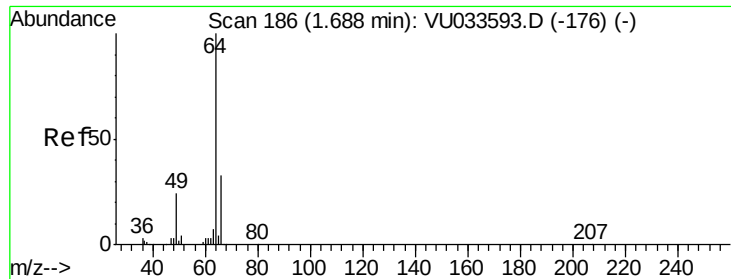
200000

0

1.60 1.70 1.80

Time-->

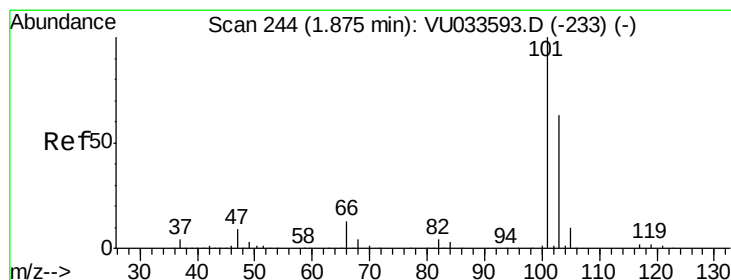
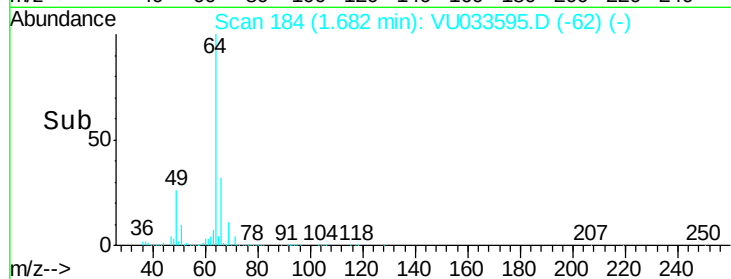
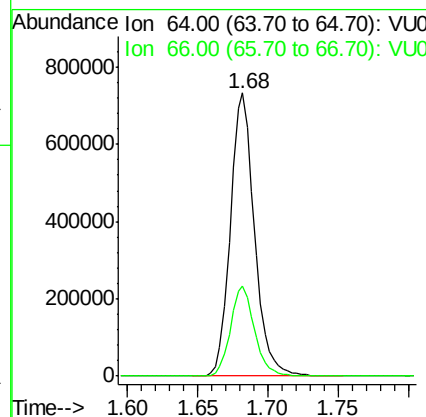
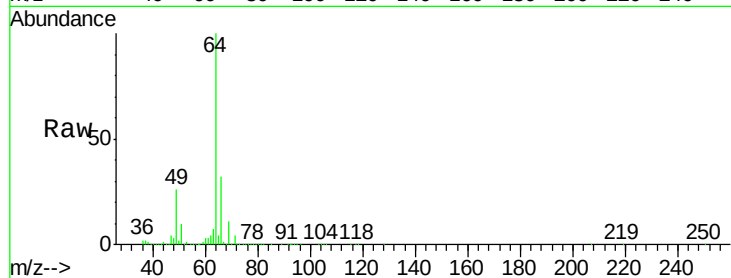




#8
Chloroethane
Concen: 302.666 ug/L
RT: 1.68 min Scan# 184
Delta R.T. -0.01 min
Lab File: VU033595.D
Acq: 05 Aug 2019 12:28

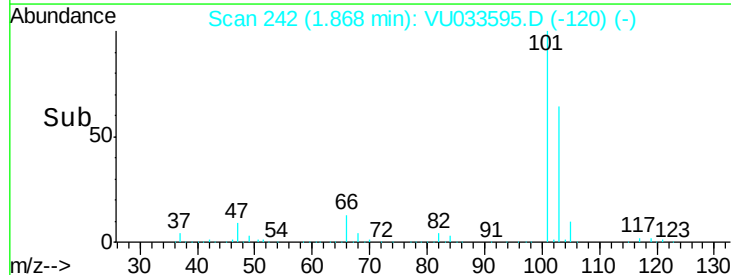
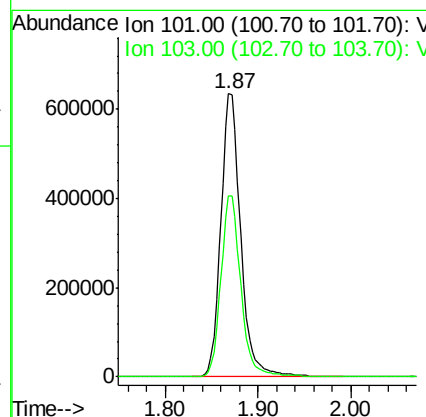
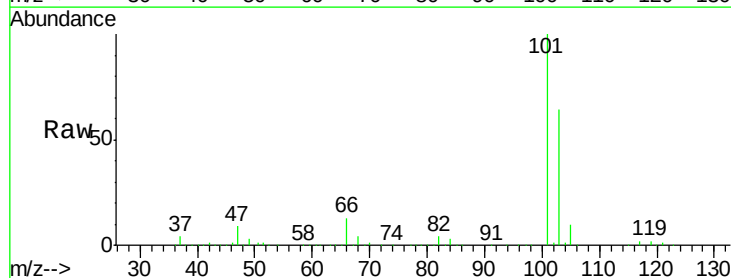
Instrument :
MSVOA_U
ClientSampleId :

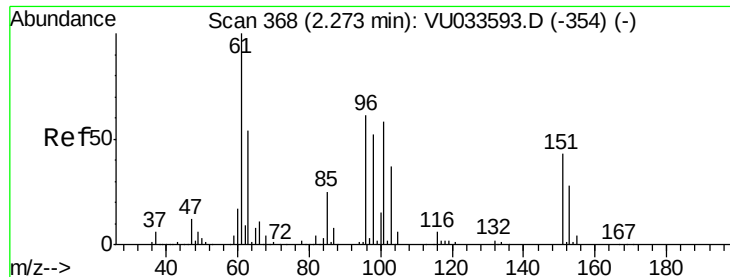
Tot Ion: 64 Resp: 870889
Ion Ratio Lower Upper
64 100
66 31.6 22.9 42.5



#9
Trichlorofluoromethane
Concen: 181.249 ug/L
RT: 1.87 min Scan# 242
Delta R.T. -0.01 min
Lab File: VU033595.D
Acq: 05 Aug 2019 12:28

Tgt Ion:101 Resp: 946150
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.4





#10

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

Concen: 189.482 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

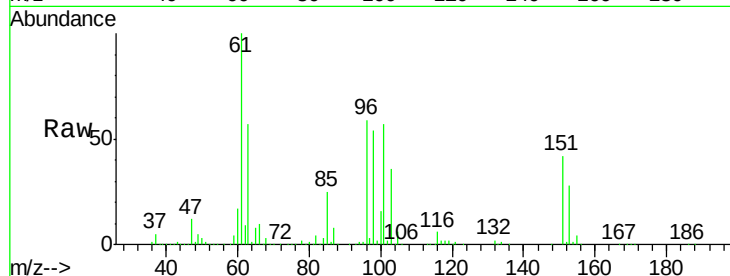
Tot Ion:101 Resp: 499015

Ion Ratio Lower Upper

101 100

85 44.3 34.3 51.5

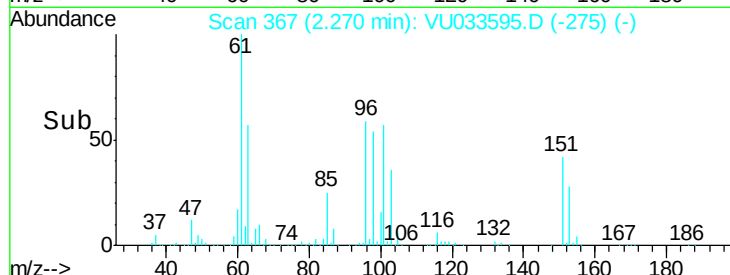
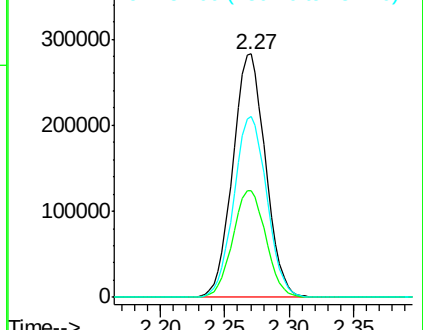
151 75.1 60.2 90.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 192.945 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

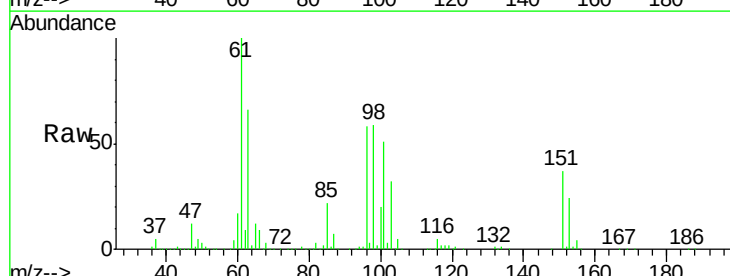
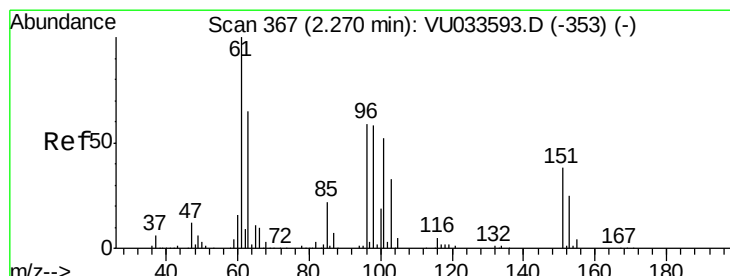
Tgt Ion: 96 Resp: 488203

Ion Ratio Lower Upper

96 100

61 172.1 119.1 221.3

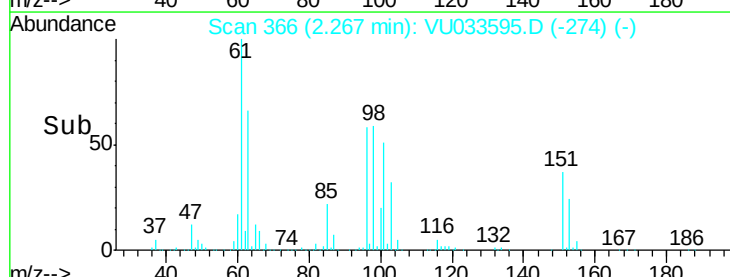
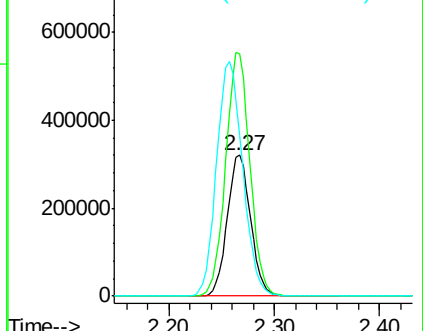
63 114.1 77.9 144.7

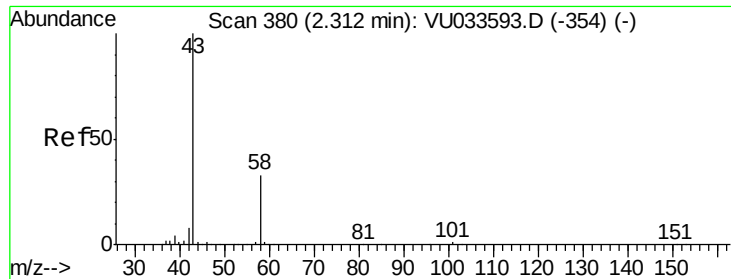


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 315.690 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

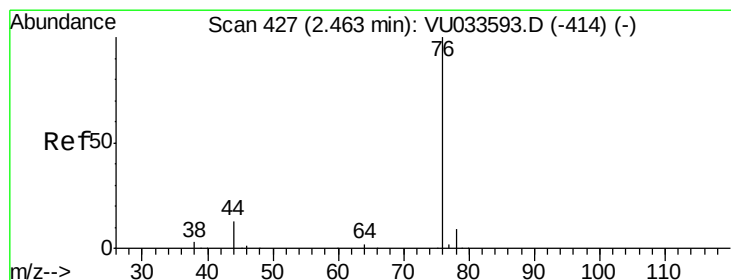
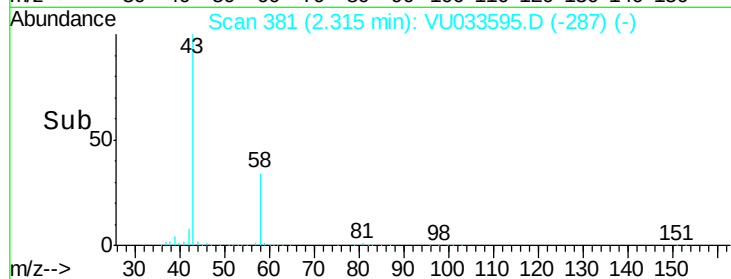
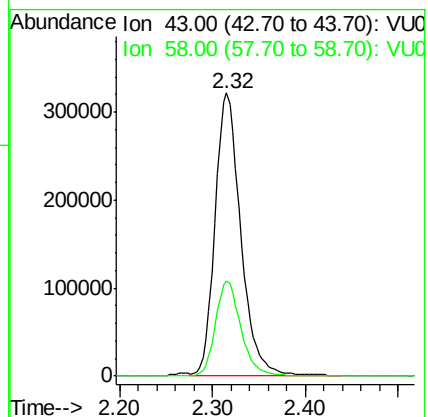
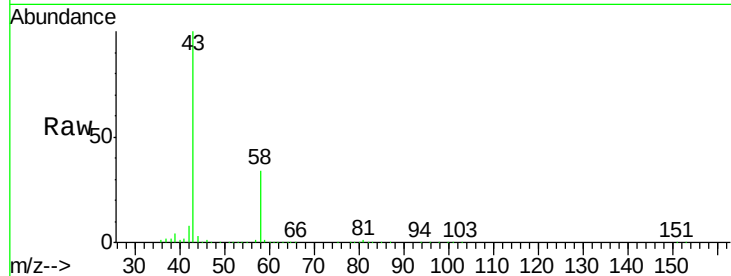
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 619216

Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.4



#14

Carbon disulfide

Concen: 197.861 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033595.D

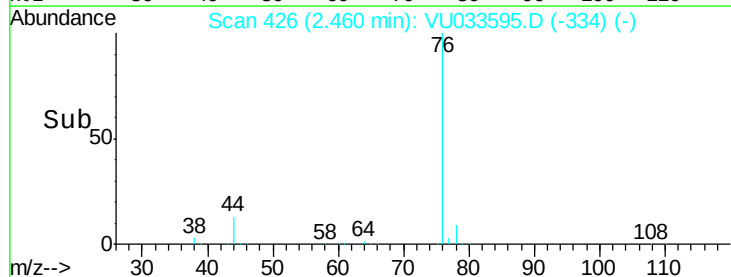
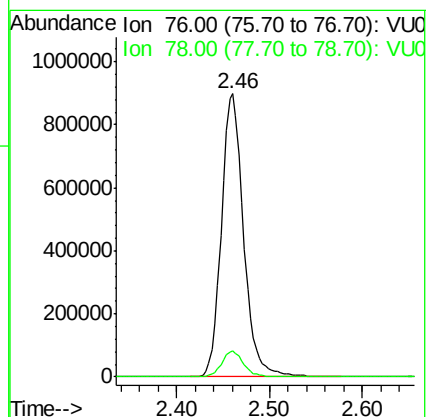
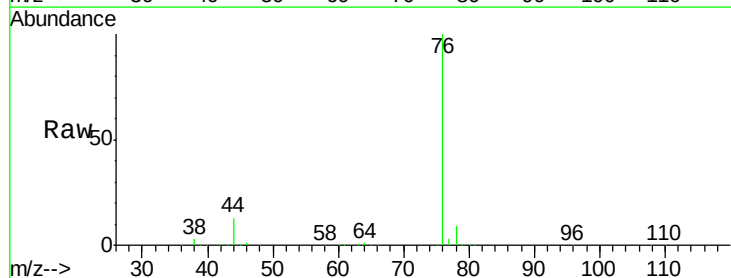
Acq: 05 Aug 2019 12:28

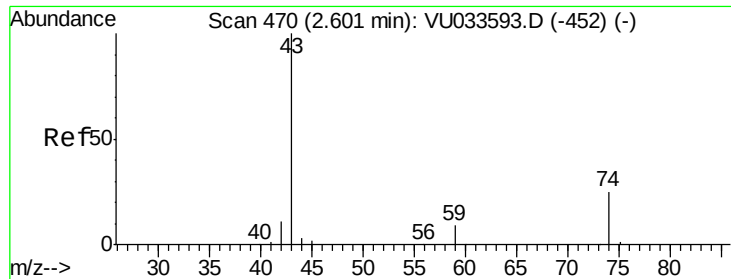
Tgt Ion: 76 Resp: 1490412

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

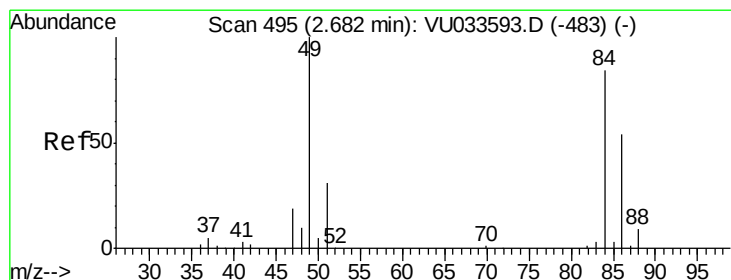
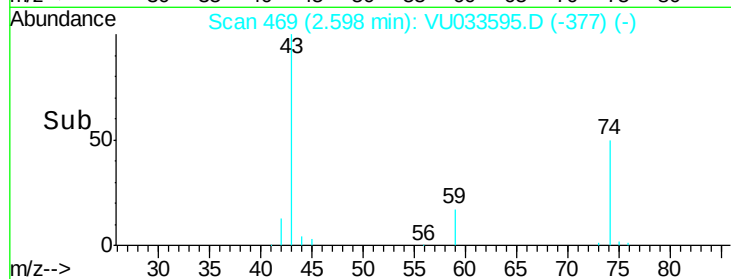
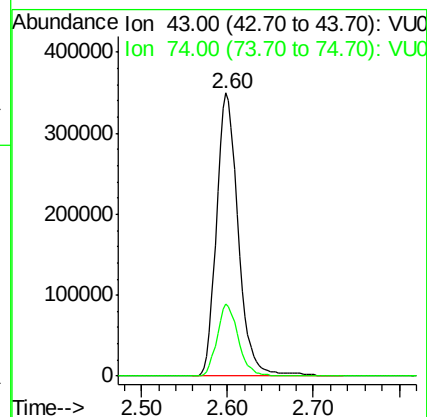
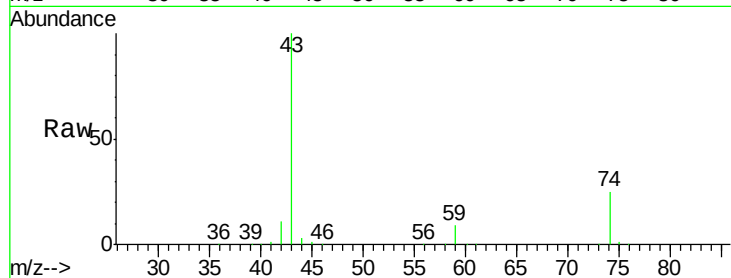




#15
Methyl Acetate
Concen: 188.579 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU033595.D
Acq: 05 Aug 2019 12:28

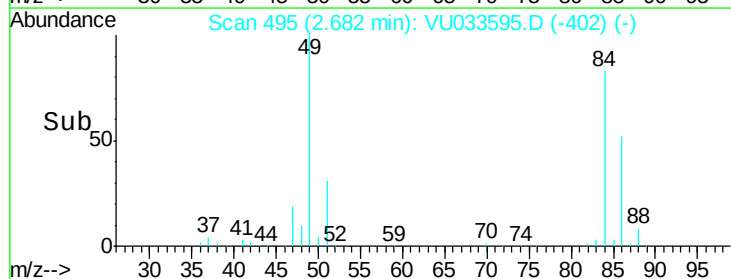
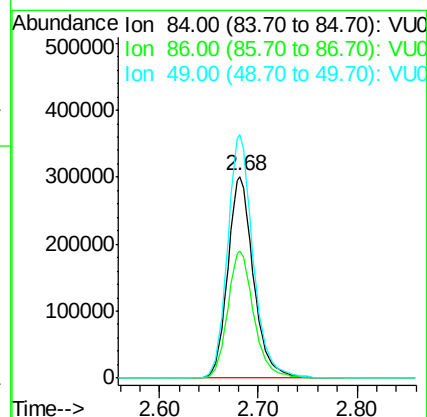
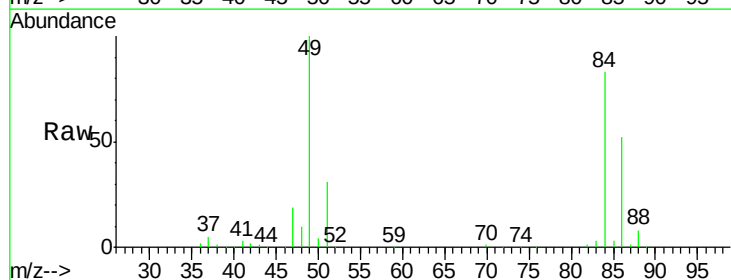
Instrument :
MSVOA_U
ClientSampleId :

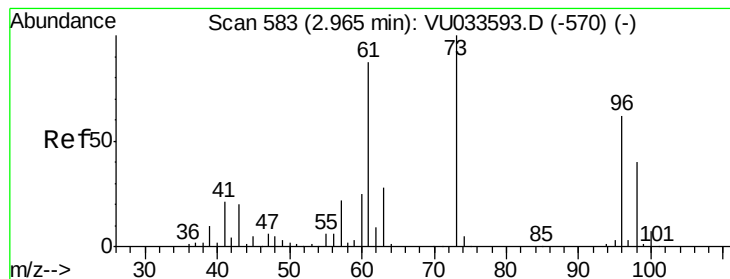
Tot Ion: 43 Resp: 616484
Ion Ratio Lower Upper
43 100
74 25.0 19.8 29.6



#16
Methylene chloride
Concen: 187.459 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033595.D
Acq: 05 Aug 2019 12:28

Tgt Ion: 84 Resp: 549430
Ion Ratio Lower Upper
84 100
86 63.1 44.9 83.5
49 120.6 83.4 155.0





#17

trans-1,2-Dichloroethene

Concen: 197.694 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

Instrument :

MSVOA_U

ClientSampled :

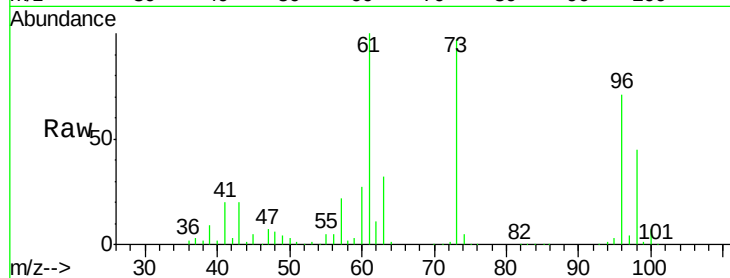
Tot Ion: 96 Resp: 521126

Ion Ratio Lower Upper

96 100

61 141.7 98.8 183.4

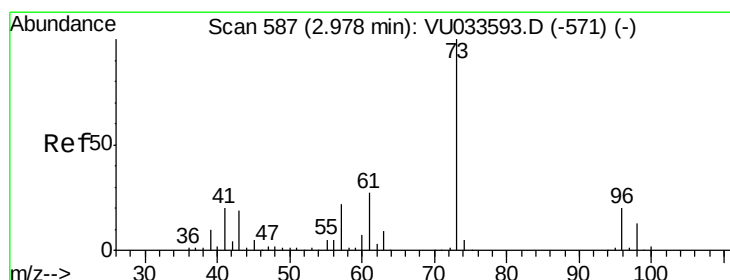
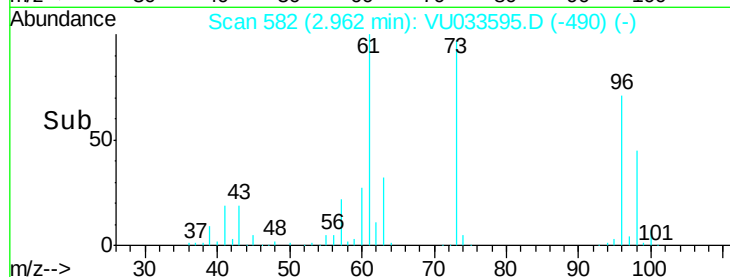
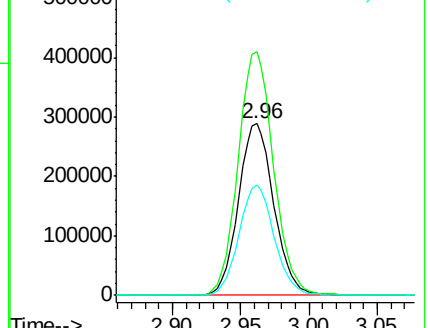
98 64.1 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU033593.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU033593.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU033593.D (-570) (-)



#18

Methyl tert-butyl Ether

Concen: 201.911 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

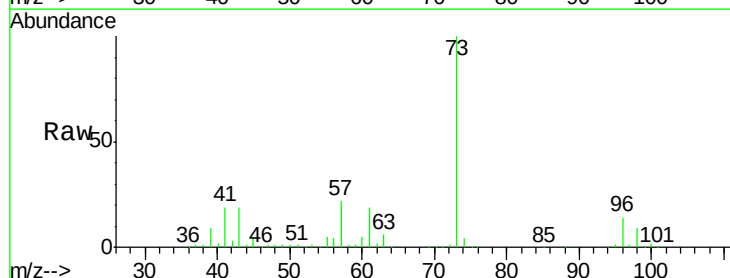
Tgt Ion: 73 Resp: 1670436

Ion Ratio Lower Upper

73 100

43 18.9 15.8 23.6

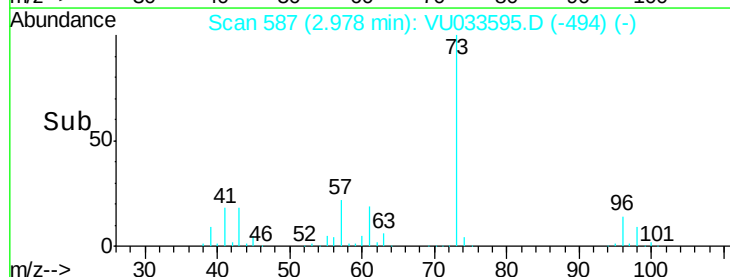
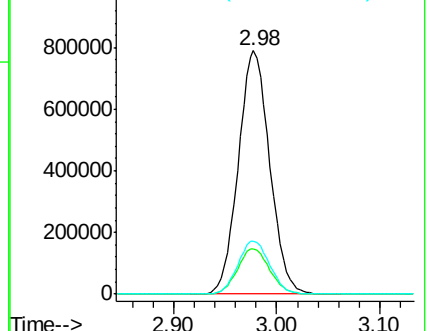
57 22.3 17.5 26.3

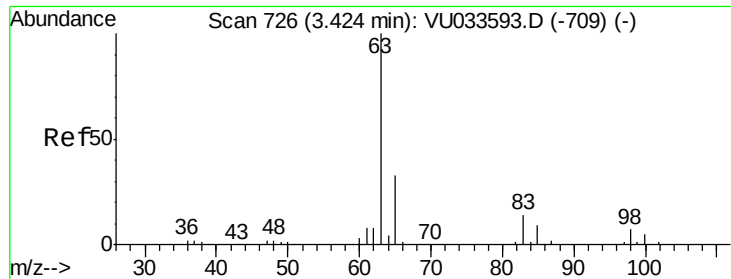


Abundance Ion 73.00 (72.70 to 73.70): VU033593.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033593.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU033593.D (-571) (-)

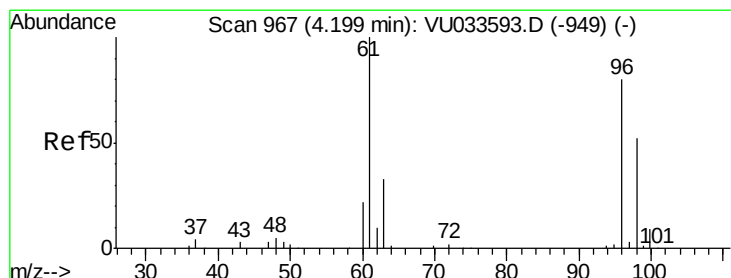
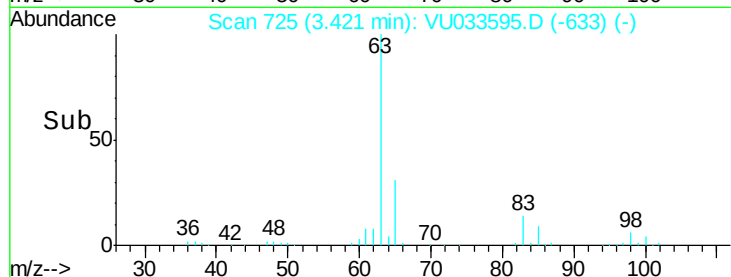
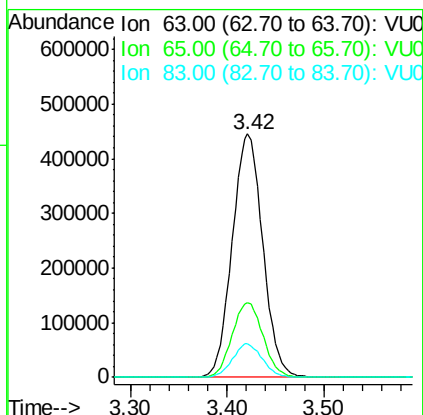
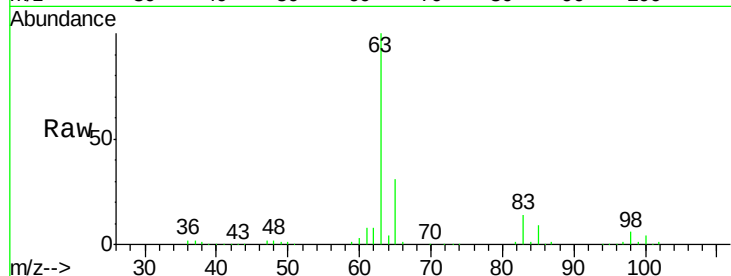




#19
 1,1-Dichloroethane
 Concen: 193.289 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU033595.D
 Acq: 05 Aug 2019 12:28

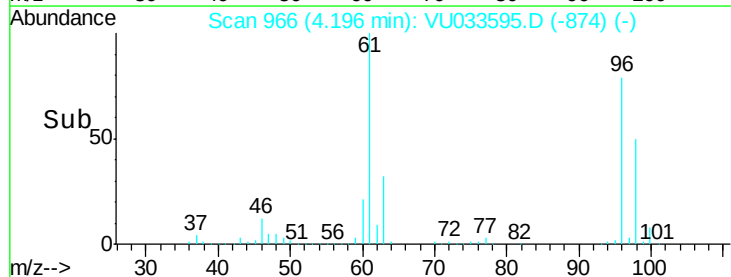
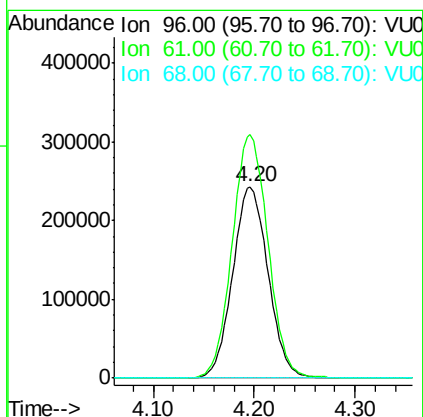
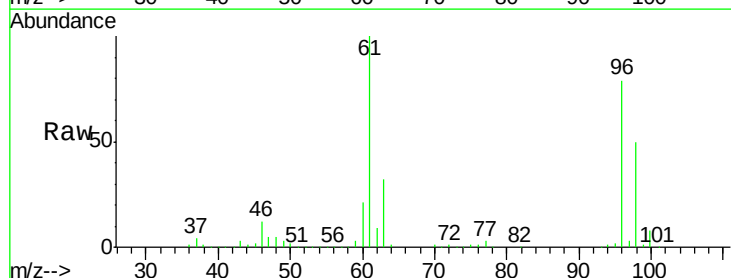
Instrument :
 MSVOA_U
 ClientSampleId :

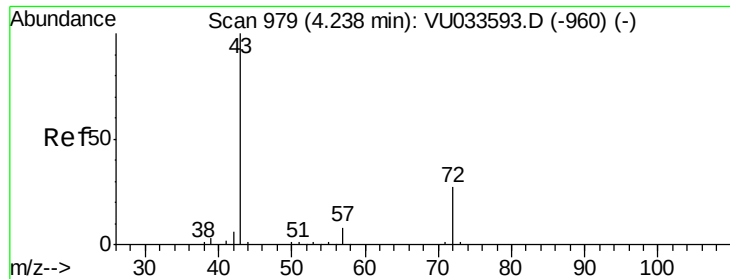
Tot Ion: 63 Resp: 977284
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.9 42.5
 83 13.6 9.8 18.2



#20
 cis-1,2-Dichloroethene
 Concen: 198.108 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033595.D
 Acq: 05 Aug 2019 12:28

Tgt Ion: 96 Resp: 591405
 Ion Ratio Lower Upper
 96 100
 61 127.3 88.2 163.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 387.612 ug/L

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

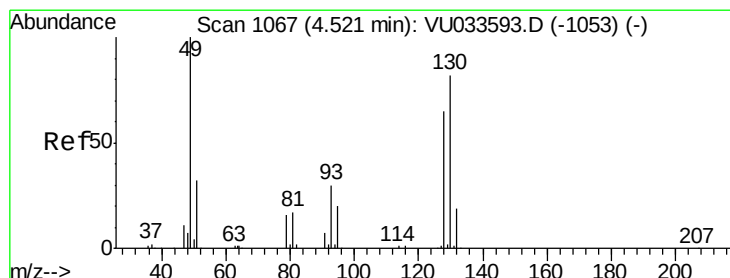
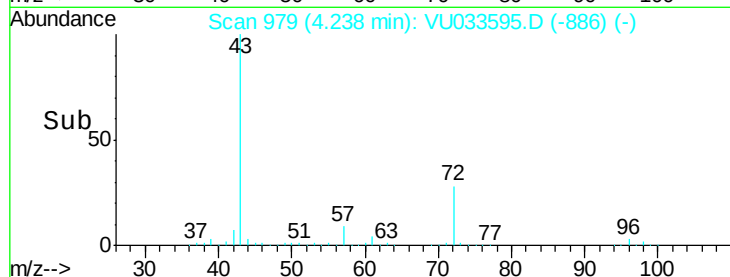
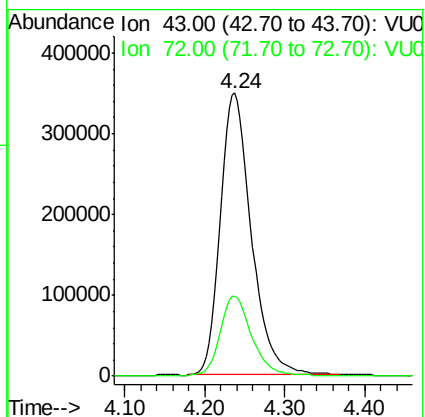
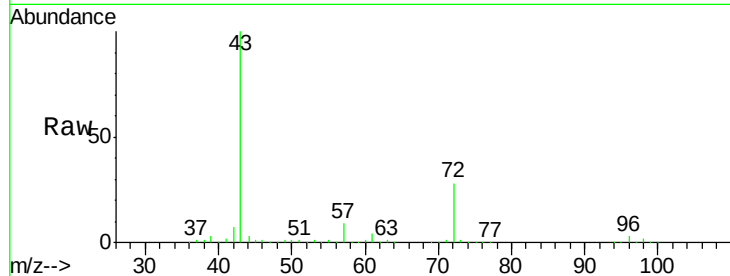
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 934025

Ion Ratio Lower Upper

43 100

72 29.2 13.8 41.4



#23

Bromochloromethane

Concen: 192.918 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

Tgt Ion: 128 Resp: 294402

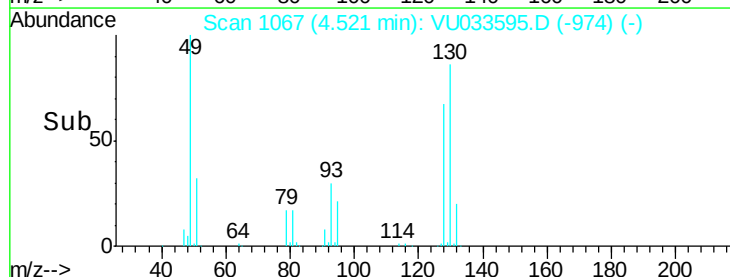
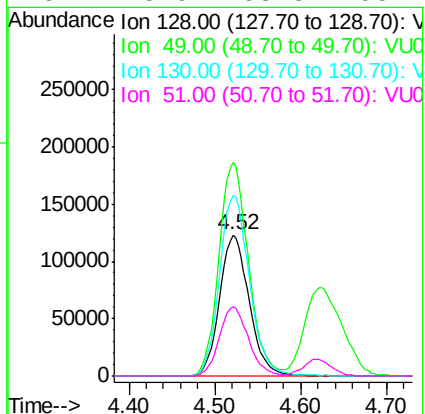
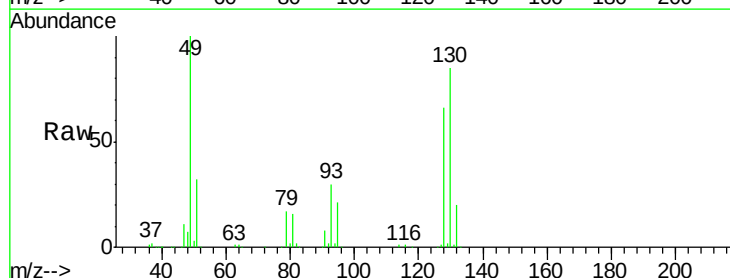
Ion Ratio Lower Upper

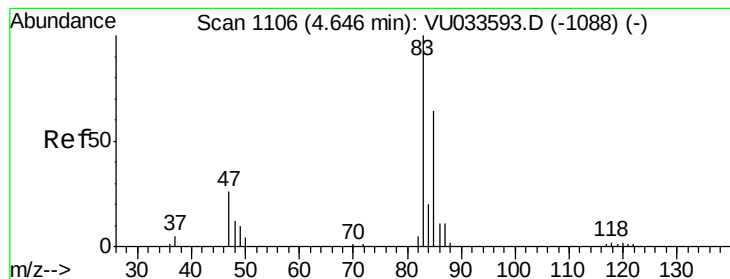
128 100

49 151.6 108.1 200.9

130 128.4 89.0 165.4

51 48.9 38.8 58.2





#25

Chloroform

Concen: 186.936 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

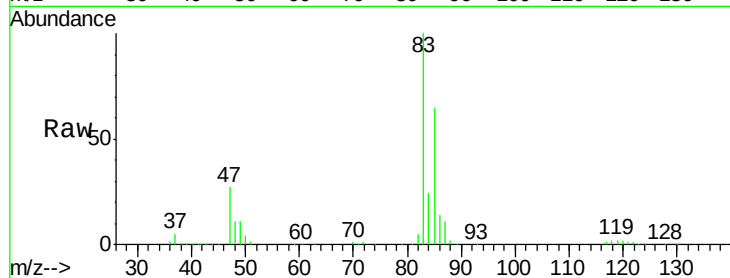
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 992531

Ion Ratio Lower Upper

83 100

85 65.5 44.9 83.3



Abundance Ion 83.00 (82.70 to 83.70): VU033595.D (-1013) (-)

Ion 85.00 (84.70 to 85.70): VU033595.D (-1013) (-)

4.65

400000

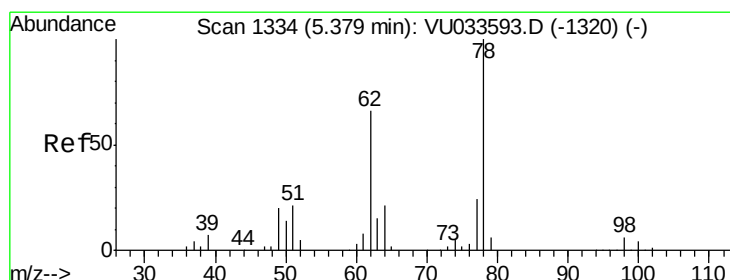
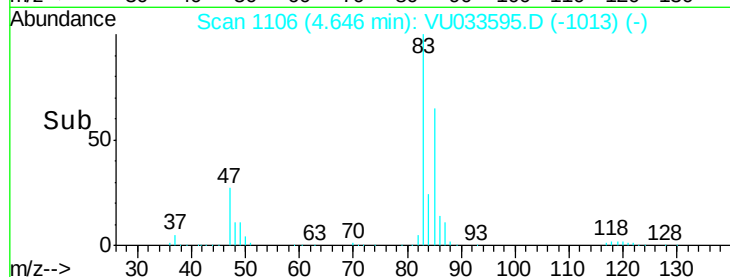
300000

200000

100000

0

Time-->



#27

1,2-Dichloroethane

Concen: 193.130 ug/L

RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VU033595.D

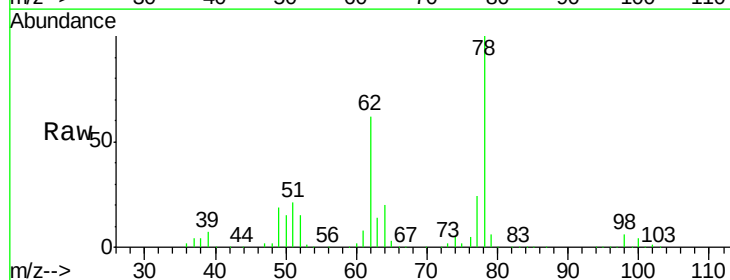
Acq: 05 Aug 2019 12:28

Tgt Ion: 62 Resp: 789004

Ion Ratio Lower Upper

62 100

98 9.2 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VU033595.D (-1241) (-)

Ion 98.00 (97.70 to 98.70): VU033595.D (-1241) (-)

5.38

400000

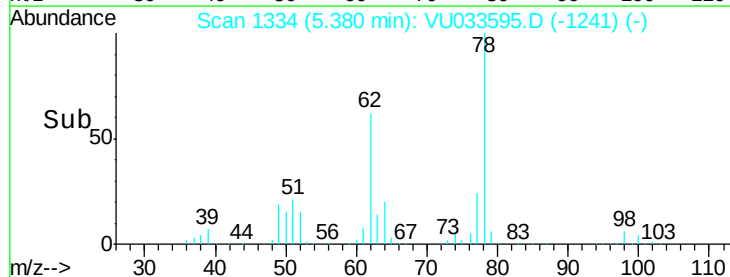
300000

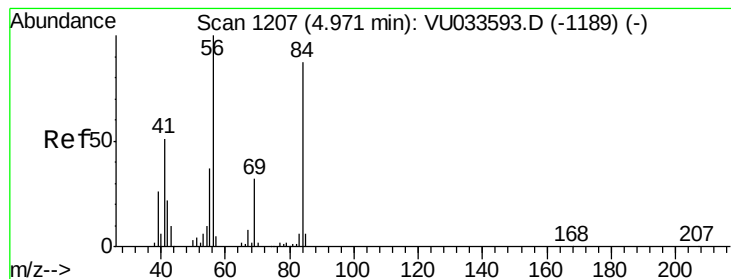
200000

100000

0

Time-->





#29

Cyclohexane

Concen: 217.283 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

Instrument :

MSVOA_U

ClientSampled :

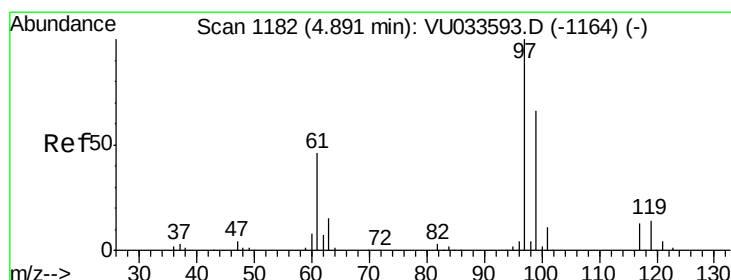
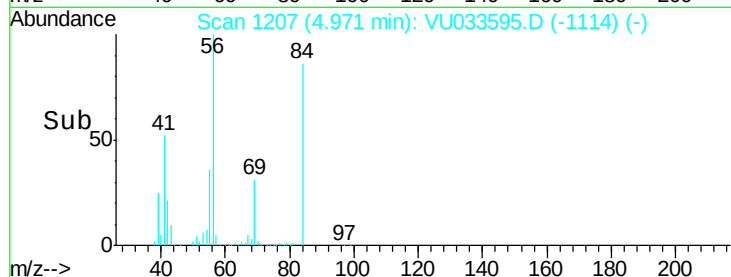
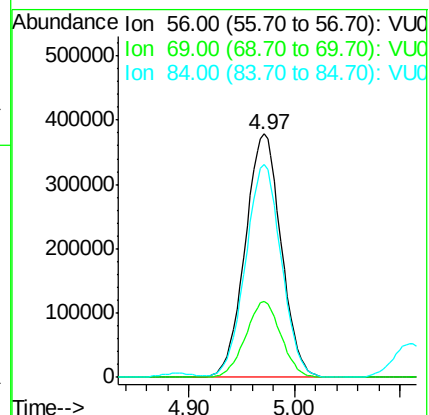
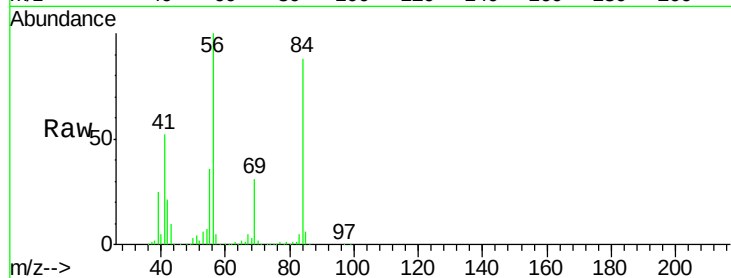
Tot Ion: 56 Resp: 896015

Ion Ratio Lower Upper

56 100

69 30.7 24.7 37.1

84 87.2 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 196.866 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

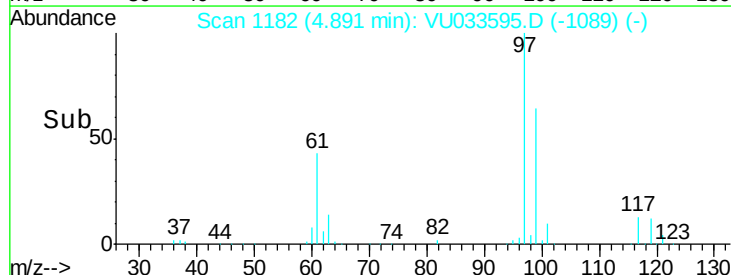
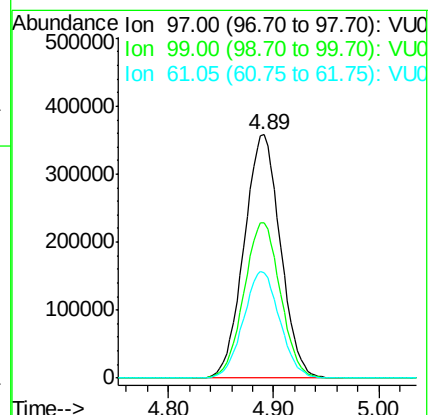
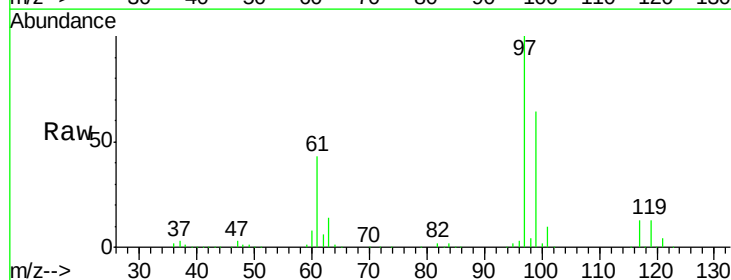
Tgt Ion: 97 Resp: 857985

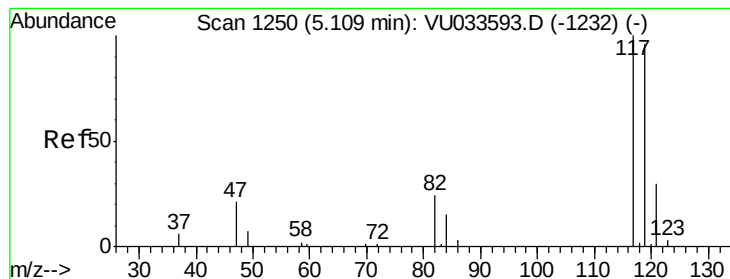
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 43.9 36.2 54.2





#31

Carbon tetrachloride

Concen: 202.762 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

Instrument :

MSVOA_U

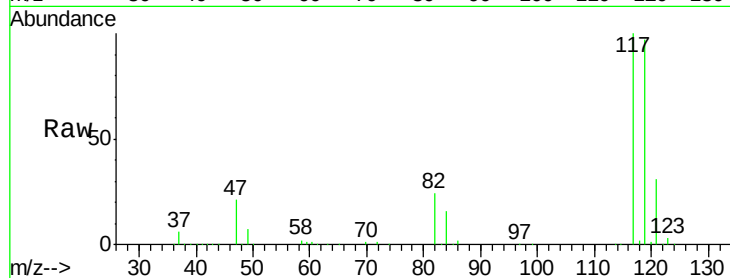
ClientSampleId :

Tot Ion:117 Resp: 769460

Ion Ratio Lower Upper

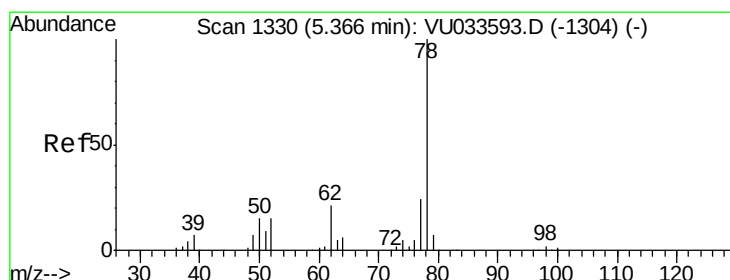
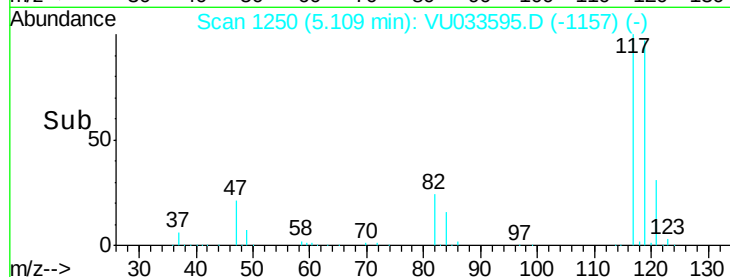
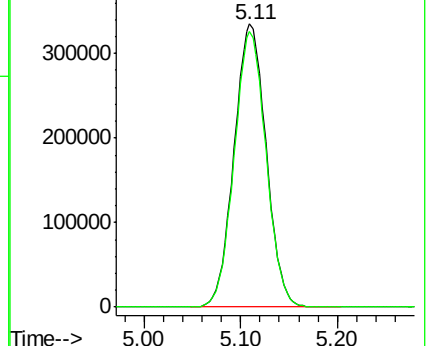
117 100

119 96.8 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 201.588 ug/L

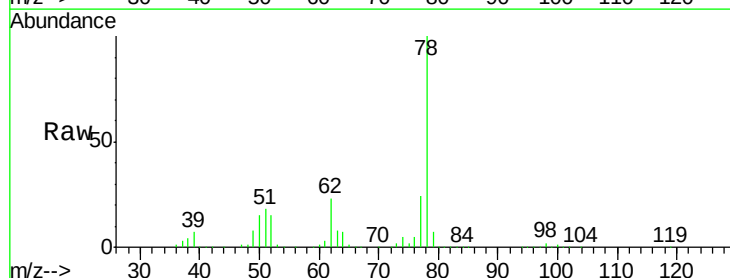
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

Tgt Ion: 78 Resp: 2194473



Abundance Ion 78.00 (77.70 to 78.70): VU0

1200000

1000000

800000

600000

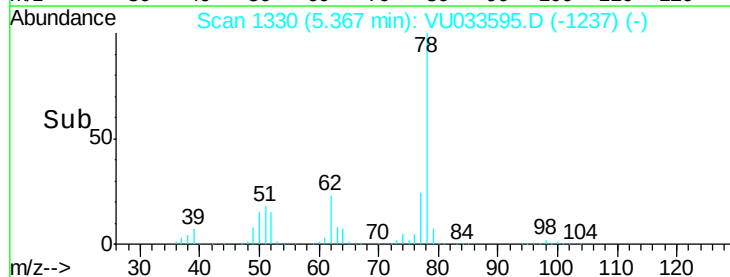
400000

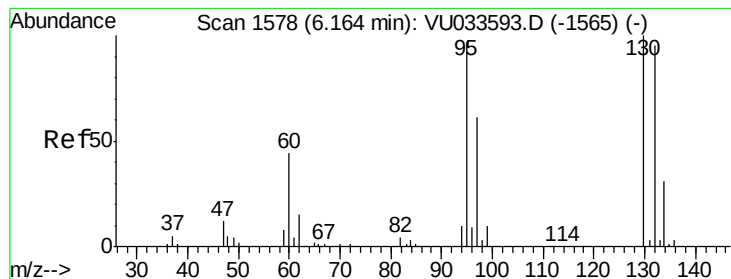
200000

0

Time-->

5.20 5.30 5.40 5.50





#34

Trichloroethene

Concen: 198.733 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 569588

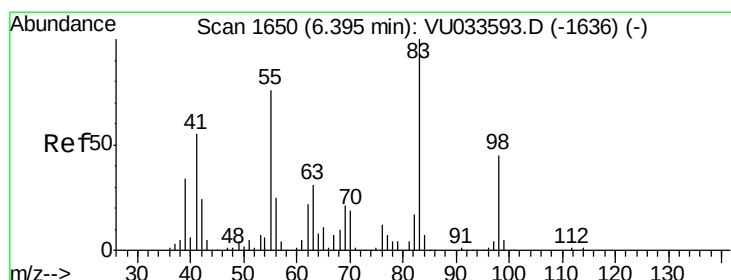
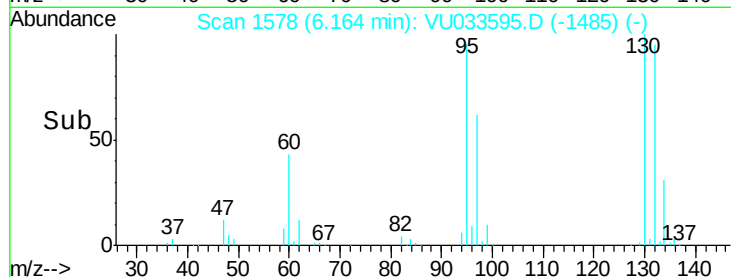
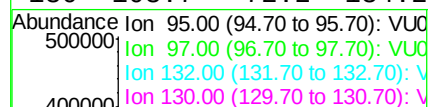
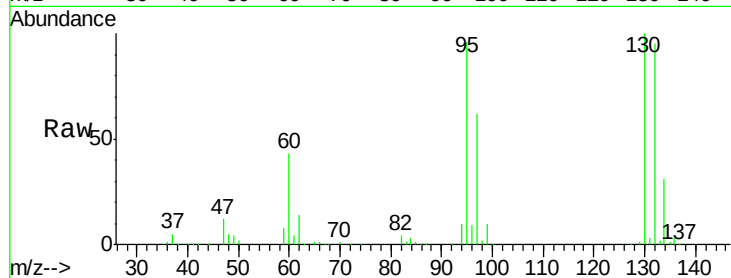
Ion Ratio Lower Upper

95 100

97 64.0 43.8 81.4

132 98.5 68.6 127.4

130 103.7 72.2 134.2



#35

Methylcyclohexane

Concen: 222.146 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

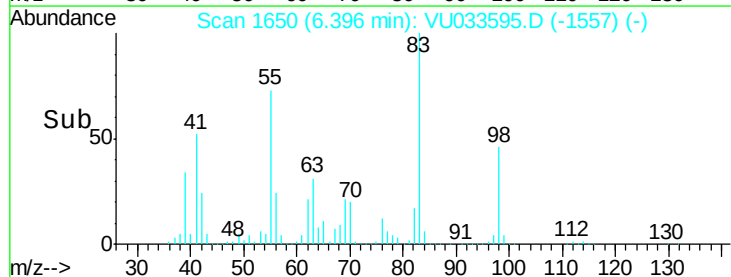
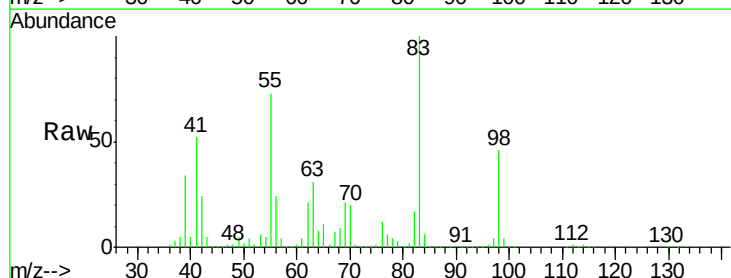
Tgt Ion: 83 Resp: 966655

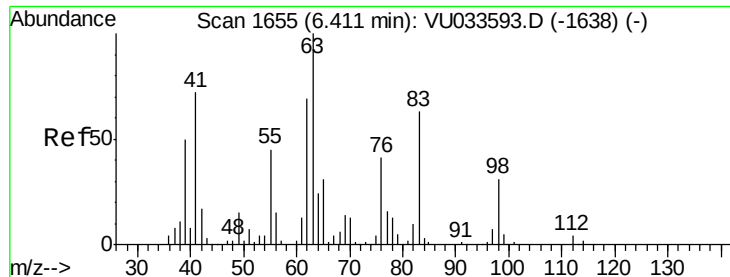
Ion Ratio Lower Upper

83 100

55 73.7 60.1 90.1

98 45.7 36.8 55.2

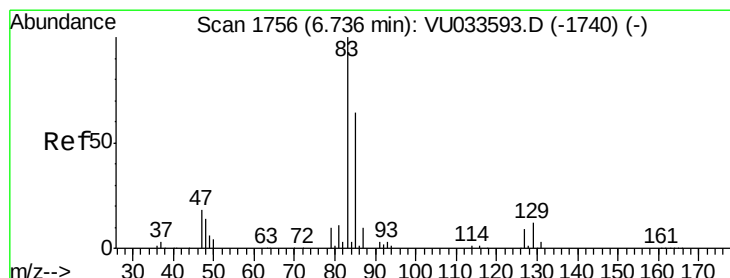
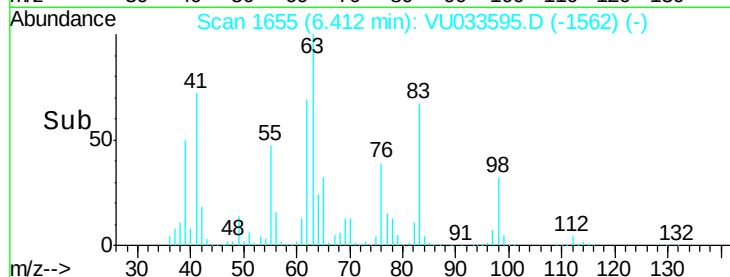
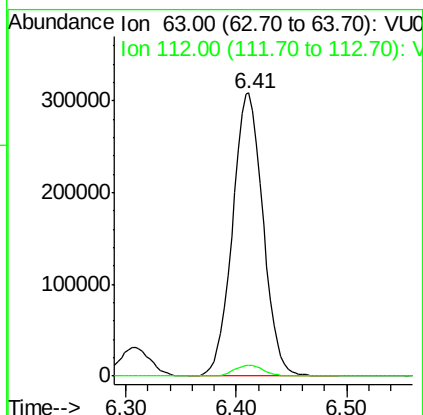
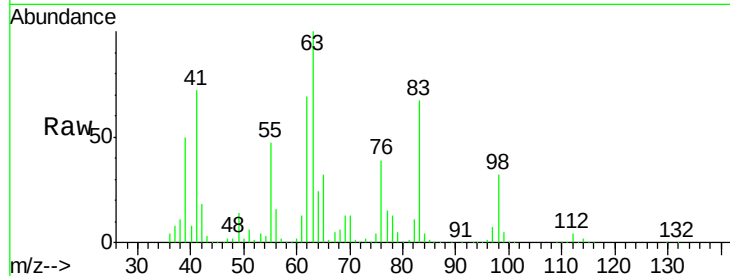




#37
 1,2-Dichloropropane
 Concen: 197.666 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033595.D
 Acq: 05 Aug 2019 12:28

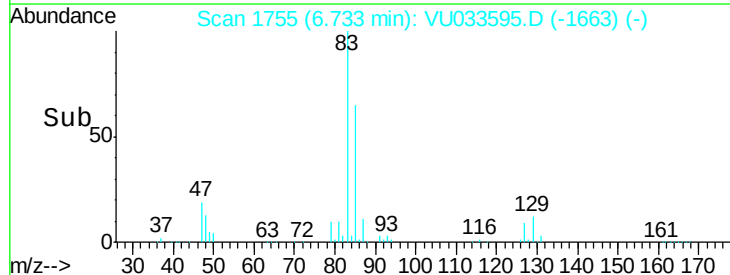
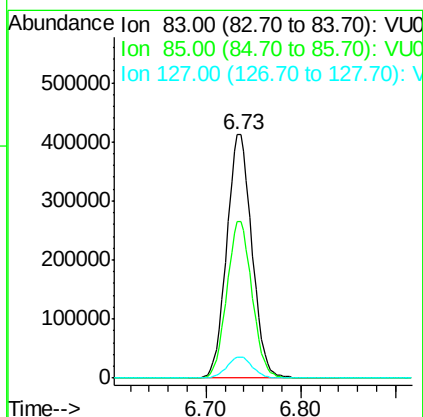
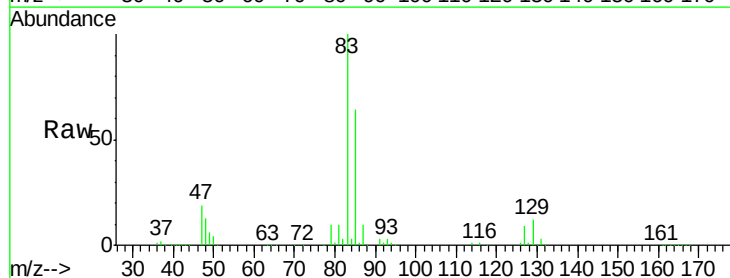
Instrument :
 MSVOA_U
 ClientSampleId :

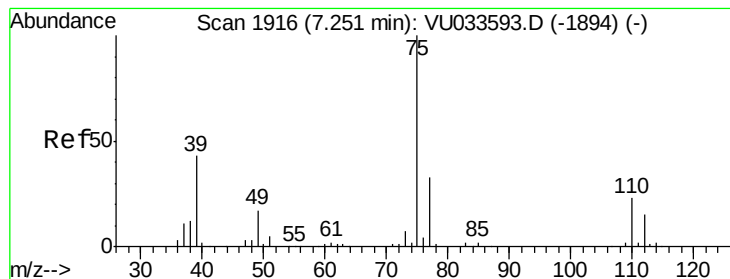
Tot Ion: 63 Resp: 588827
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 197.466 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU033595.D
 Acq: 05 Aug 2019 12:28

Tgt Ion: 83 Resp: 762183
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.5
 127 8.7 7.0 10.4



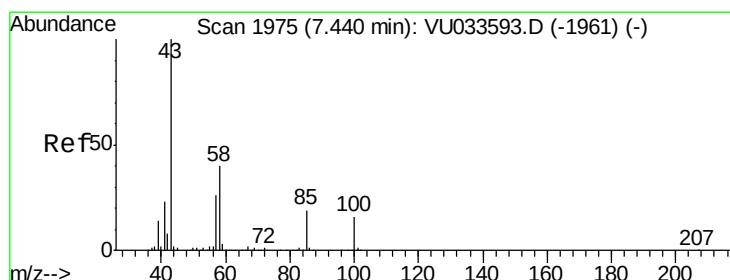
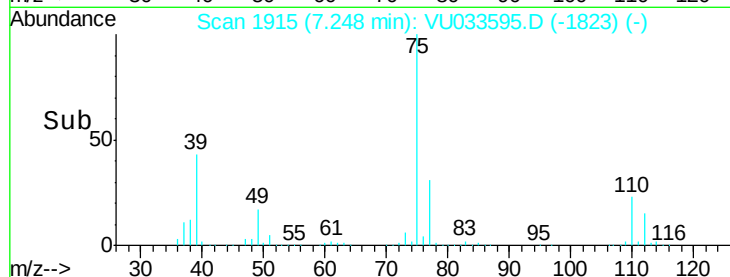
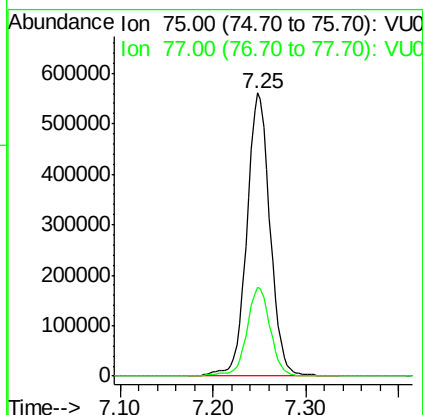
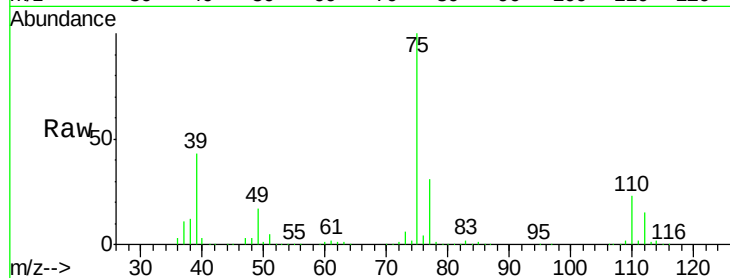


#39

cis-1,3-Dichloropropene
 Concen: 213.618 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU033595.D
 Acq: 05 Aug 2019 12:28

Instrument :
 MSVOA_U
 ClientSampled :

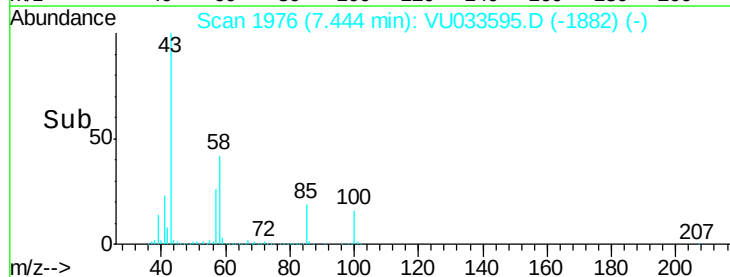
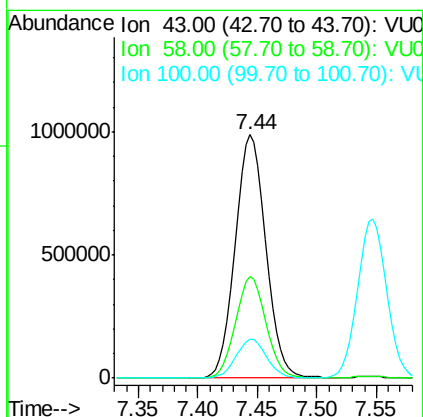
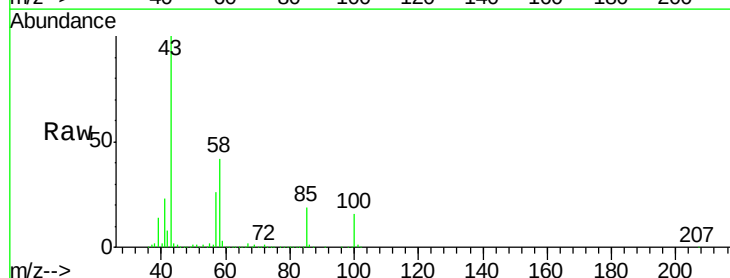
Tot Ion: 75 Resp: 973583
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.7 42.3

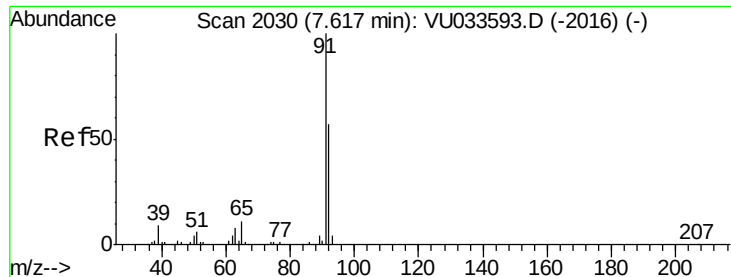


#40

4-Methyl-2-pentanone
 Concen: 409.552 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033595.D
 Acq: 05 Aug 2019 12:28

Tgt Ion: 43 Resp: 1763278
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.5 48.7
 100 16.0 12.6 18.8





#42

Toluene

Concen: 204.918 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

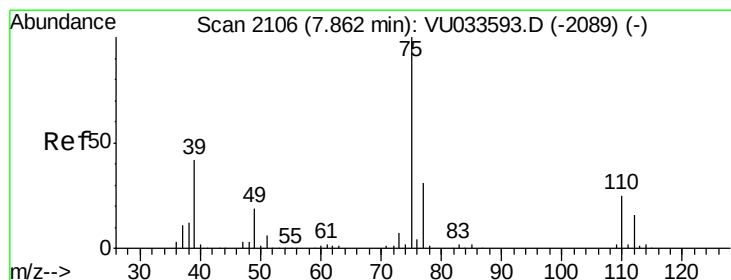
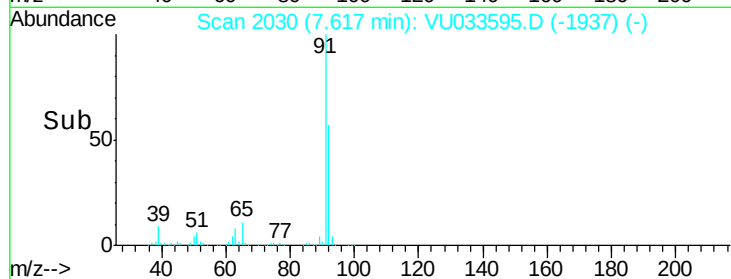
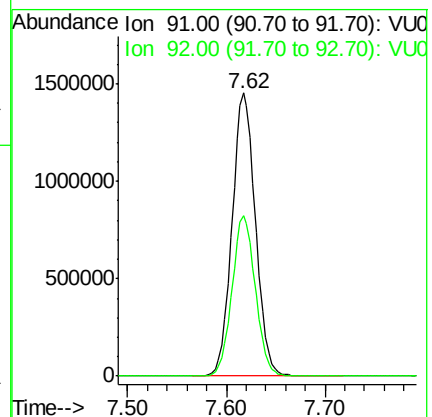
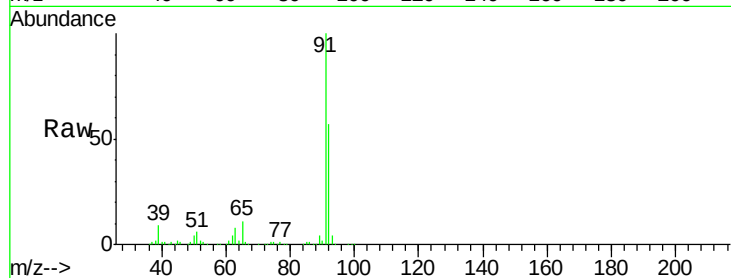
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 2413951

Ion Ratio Lower Upper

91 100

92 56.8 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 207.855 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU033595.D

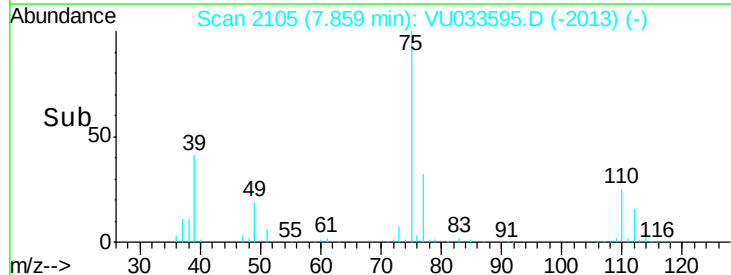
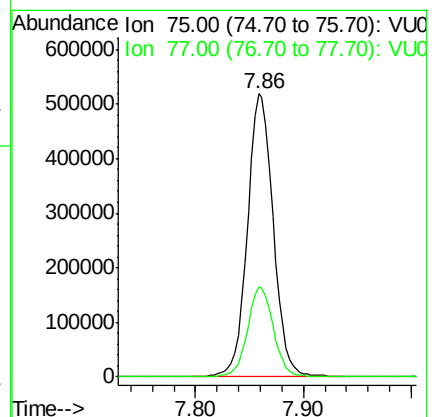
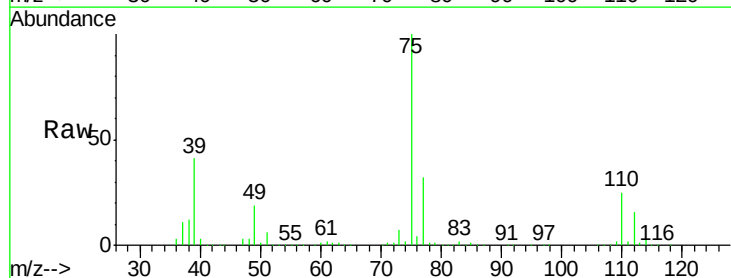
Acq: 05 Aug 2019 12:28

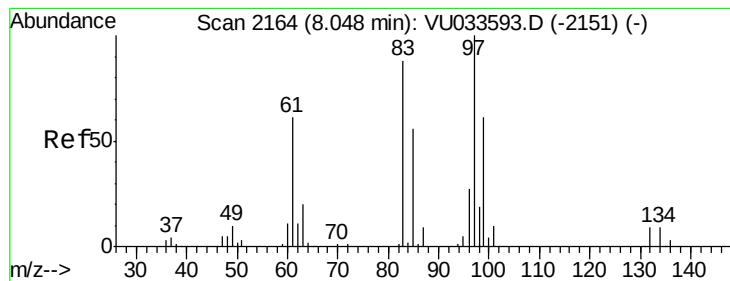
Tgt Ion: 75 Resp: 865124

Ion Ratio Lower Upper

75 100

77 31.8 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 193.551 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 551392

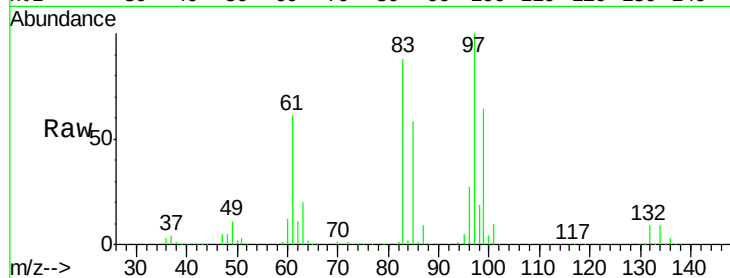
Ion Ratio Lower Upper

97 100

99 63.7 42.8 79.6

83 87.7 61.3 113.9

85 57.7 39.1 72.5

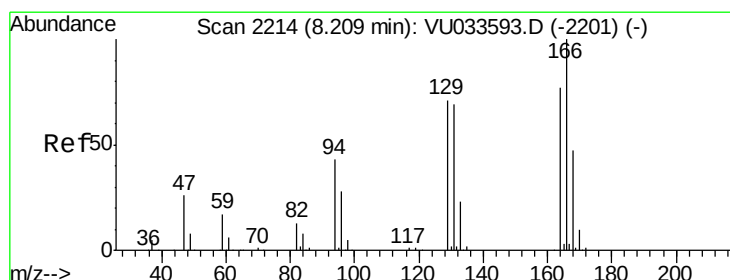
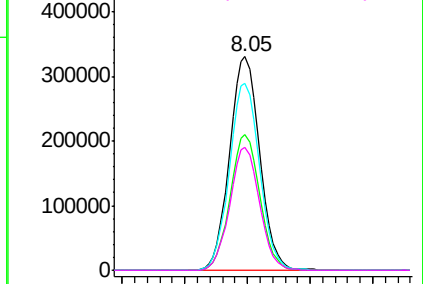
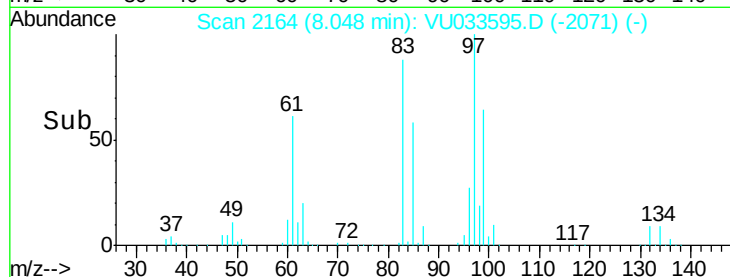


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 206.732 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

Tgt Ion:164 Resp: 477339

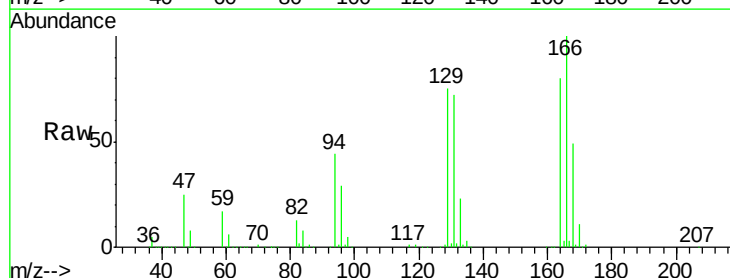
Ion Ratio Lower Upper

164 100

129 94.0 64.1 119.1

131 89.6 62.9 116.7

166 125.0 90.5 168.1

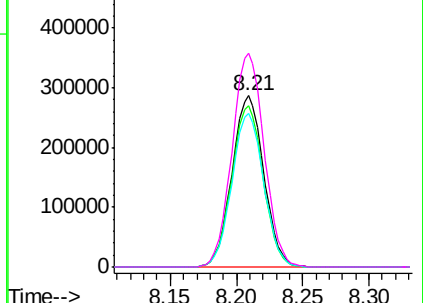
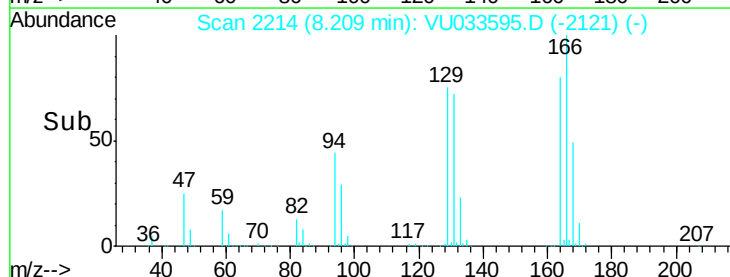


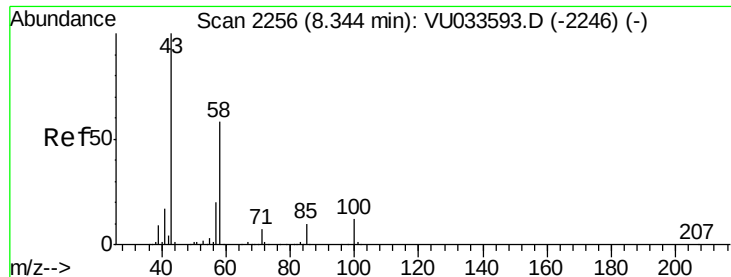
Abundance Ion 164.00 (163.70 to 164.70): V

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

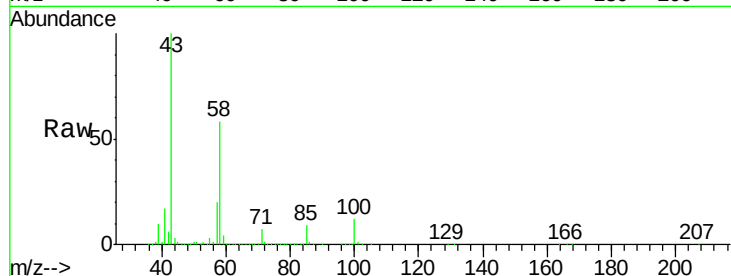




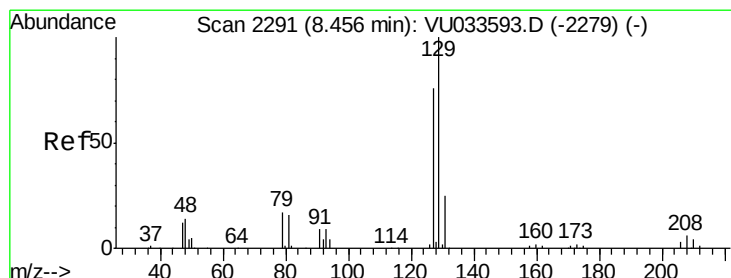
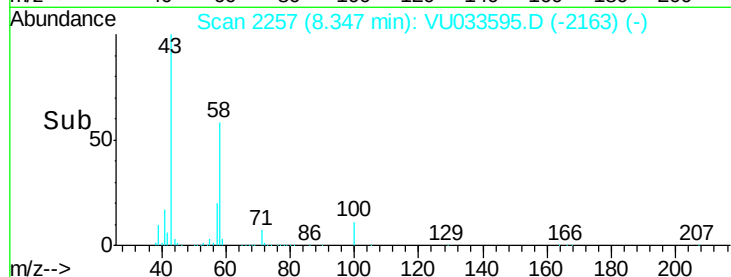
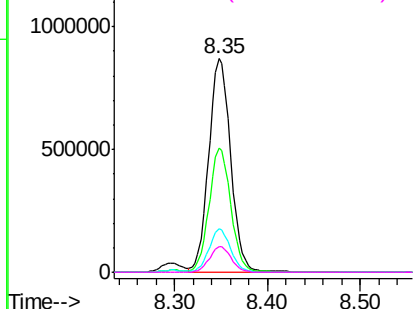
#48
2-Hexanone
Concen: 411.436 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033595.D
Acq: 05 Aug 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1426819
Ion Ratio Lower Upper
43 100
58 57.3 45.2 67.8
57 19.8 15.4 23.2
100 12.0 9.6 14.4

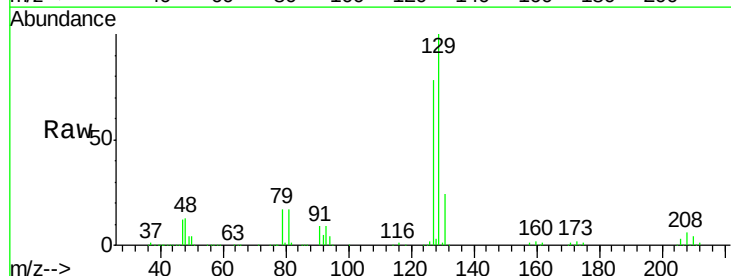


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

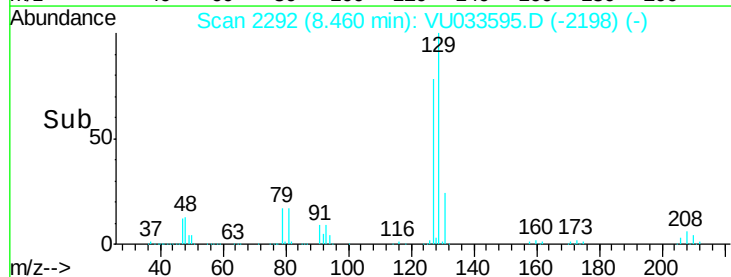
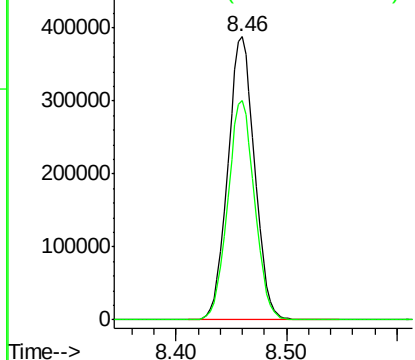


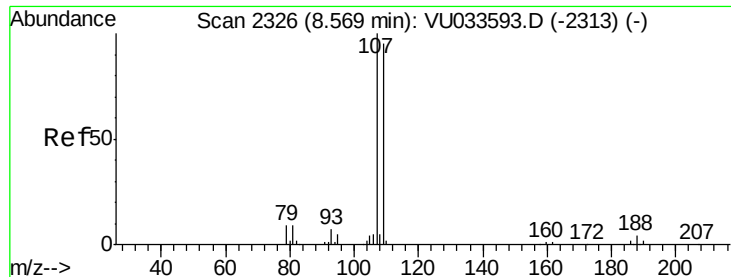
#49
Dibromochloromethane
Concen: 203.159 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033595.D
Acq: 05 Aug 2019 12:28

Tgt Ion: 129 Resp: 652864
Ion Ratio Lower Upper
129 100
127 77.6 53.4 99.2



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

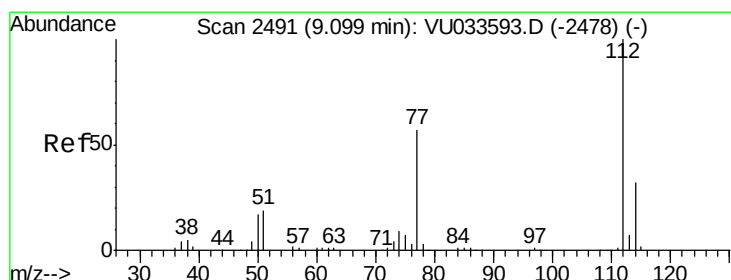
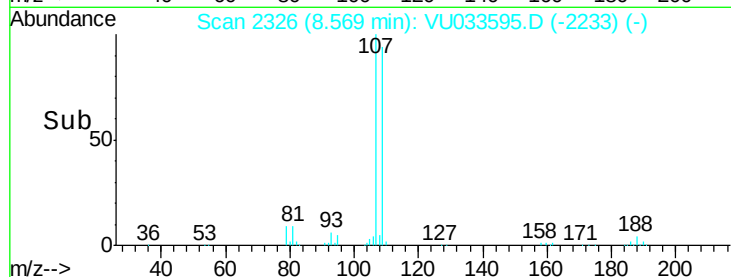
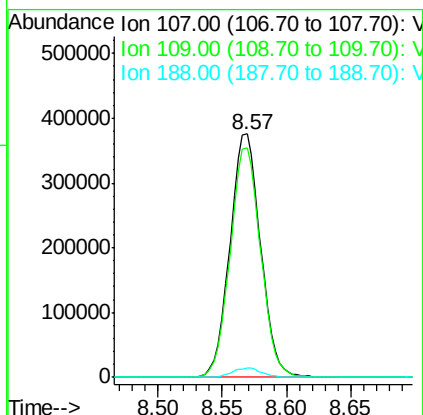
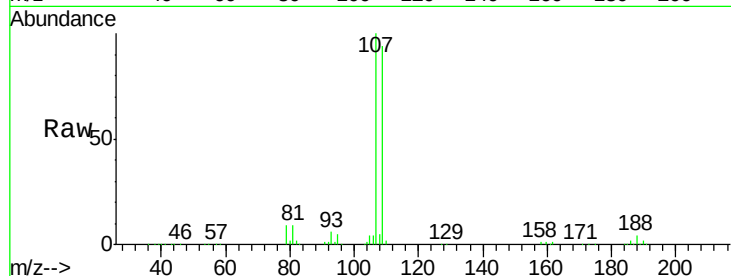




#50
1,2-Dibromoethane
Concen: 200.379 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033595.D
Acq: 05 Aug 2019 12:28

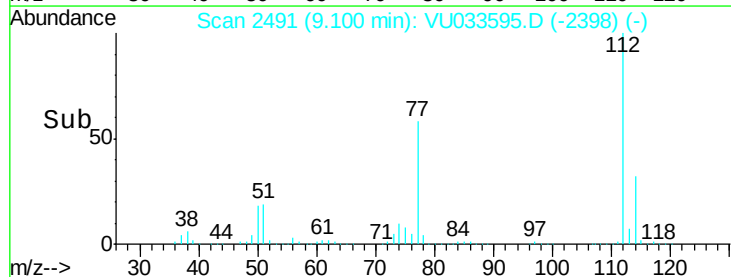
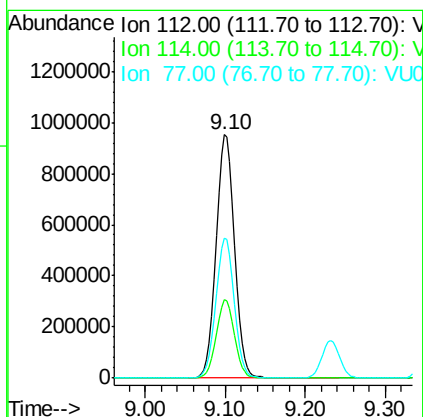
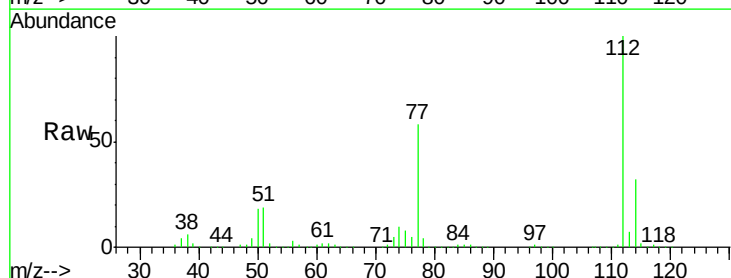
Instrument :
MSVOA_U
ClientSampled :

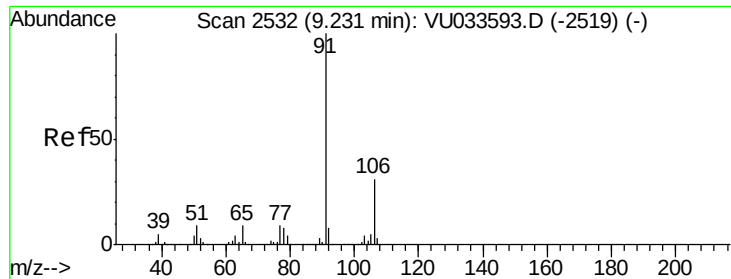
Tot Ion:107 Resp: 618948
Ion Ratio Lower Upper
107 100
109 94.1 66.5 123.5
188 3.8 3.0 4.6



#51
Chlorobenzene
Concen: 199.026 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033595.D
Acq: 05 Aug 2019 12:28

Tgt Ion:112 Resp: 1533176
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.9
77 57.6 46.1 69.1





#52

Ethylbenzene

Concen: 213.657 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

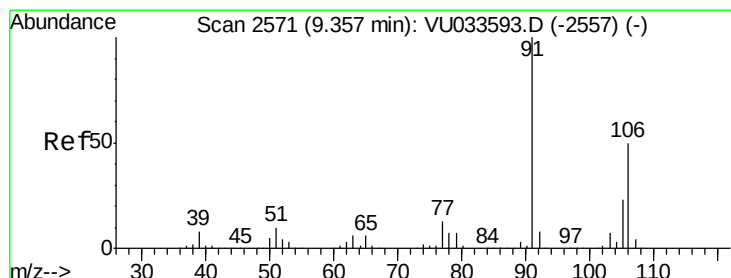
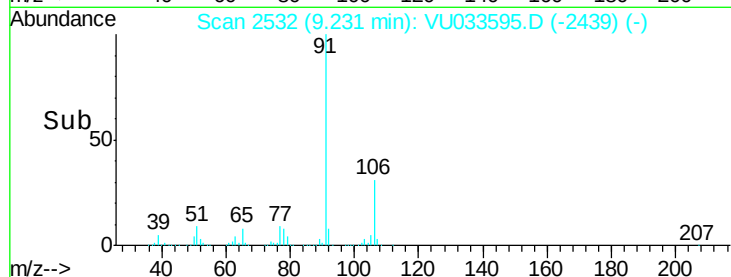
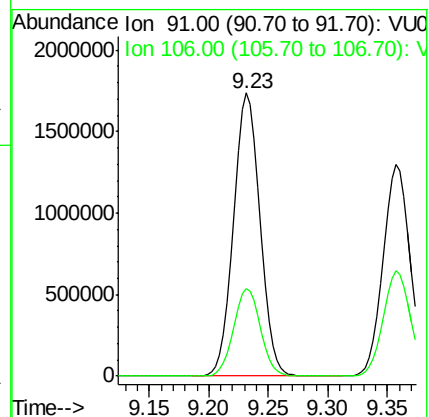
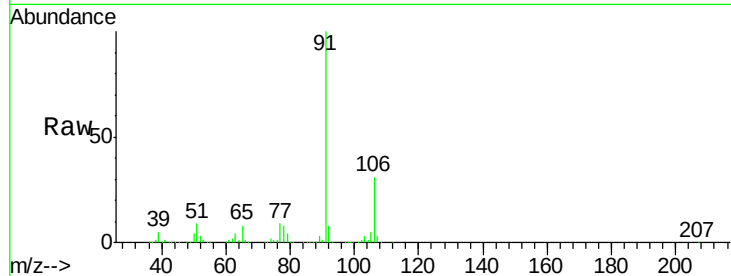
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 2680909

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



#53

m,p-Xylene

Concen: 214.895 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033595.D

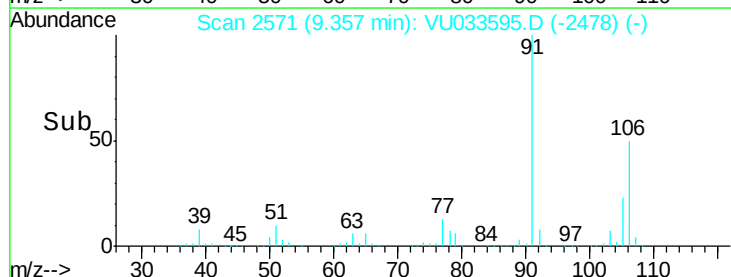
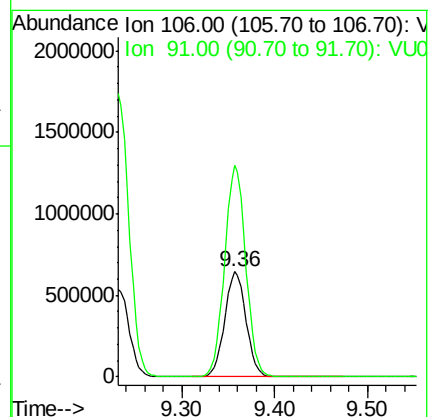
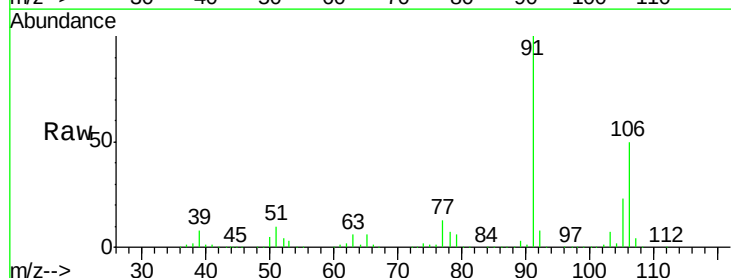
Acq: 05 Aug 2019 12:28

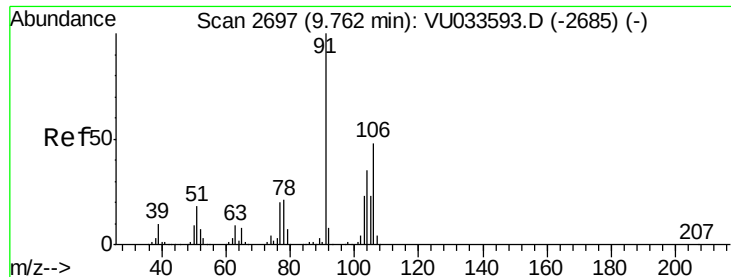
Tgt Ion: 106 Resp: 1027105

Ion Ratio Lower Upper

106 100

91 201.0 141.3 262.5





#54

o-xylene

Concen: 214.580 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

Instrument :

MSVOA_U

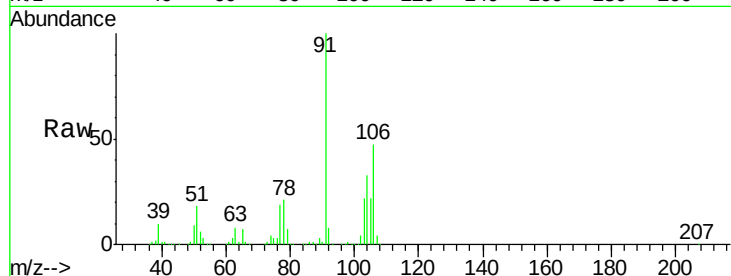
ClientSampled :

Tot Ion:106 Resp: 1010969

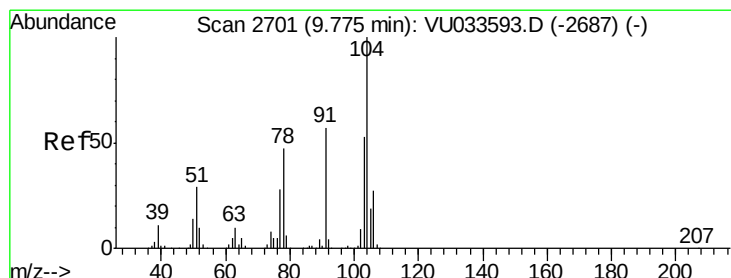
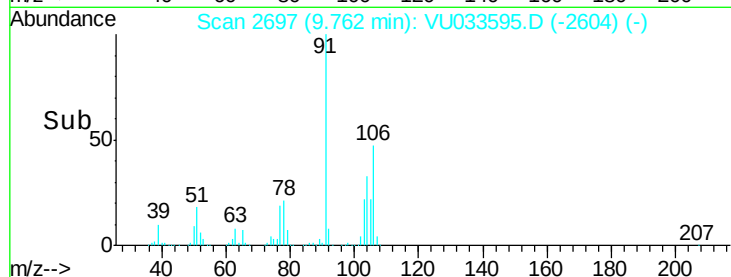
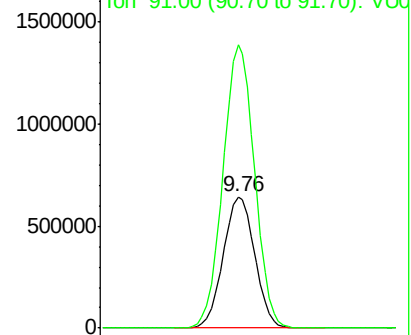
Ion Ratio Lower Upper

106 100

91 214.9 146.6 272.2



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 220.101 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033595.D

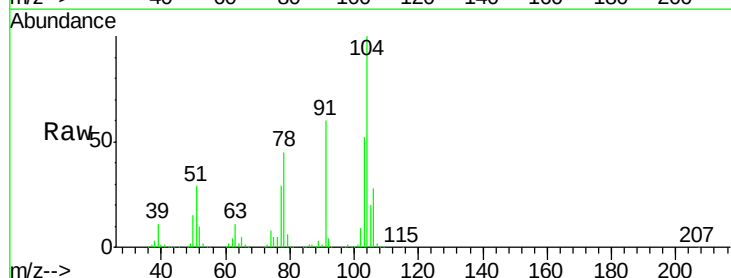
Acq: 05 Aug 2019 12:28

Tgt Ion:104 Resp: 1758348

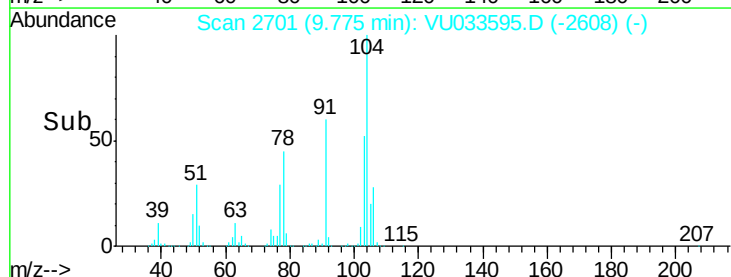
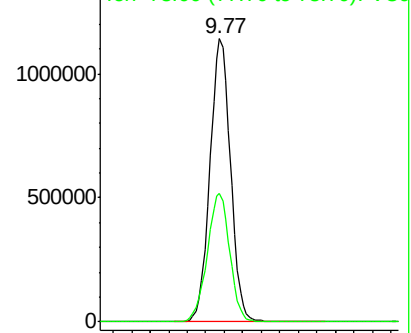
Ion Ratio Lower Upper

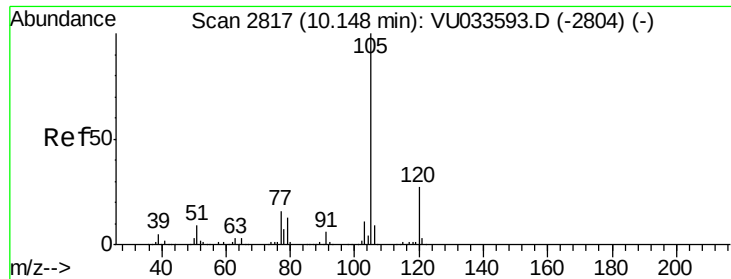
104 100

78 45.4 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 217.554 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

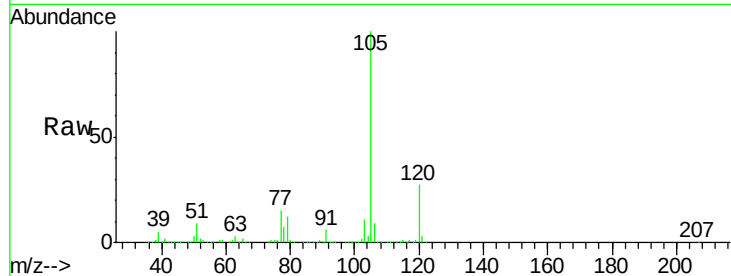
Tot Ion:105 Resp: 2654478

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

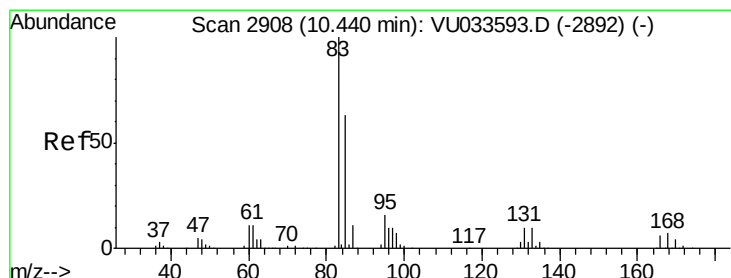
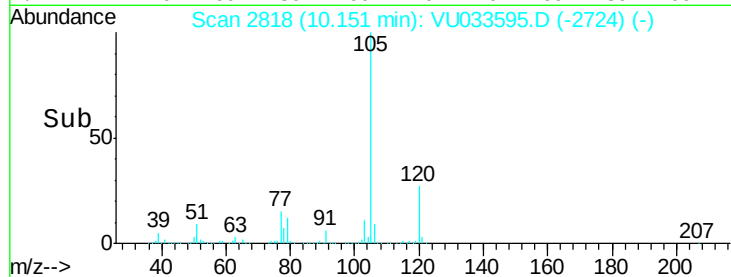
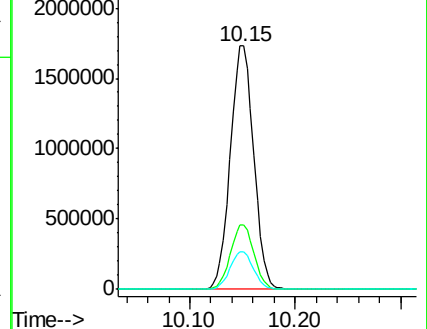
77 15.5 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 196.413 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

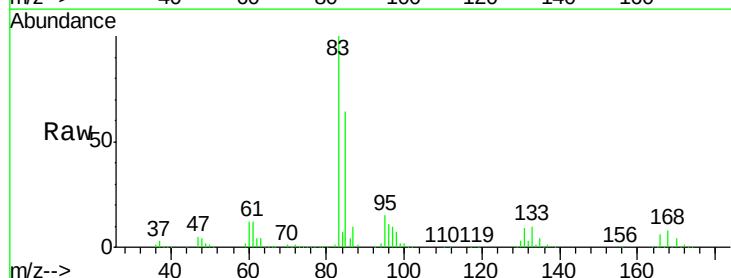
Tgt Ion: 83 Resp: 1001618

Ion Ratio Lower Upper

83 100

85 64.5 44.3 82.3

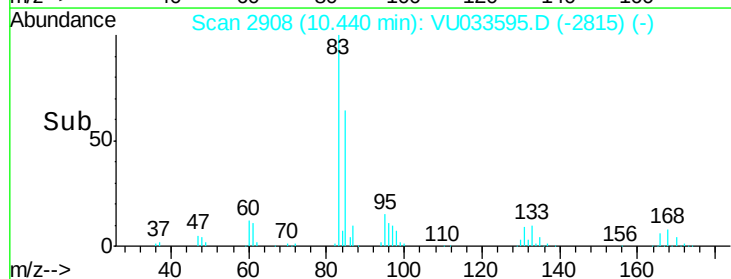
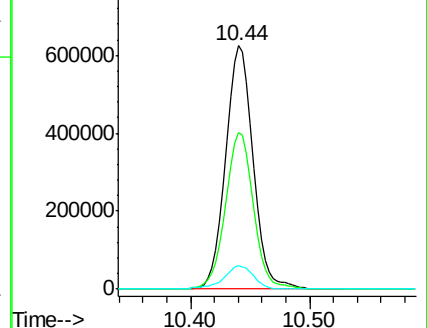
131 9.5 7.8 11.6

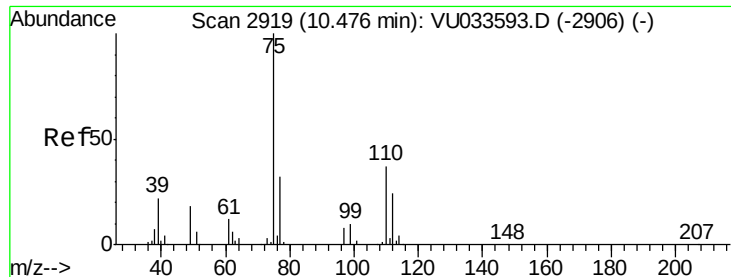


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

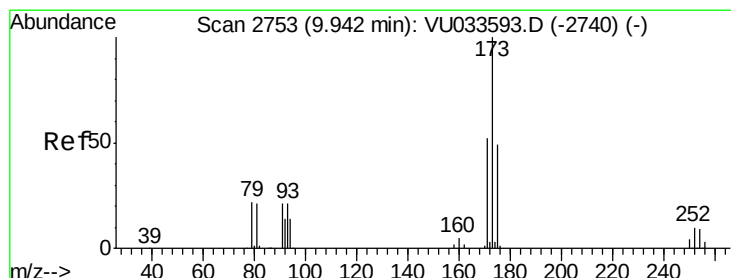
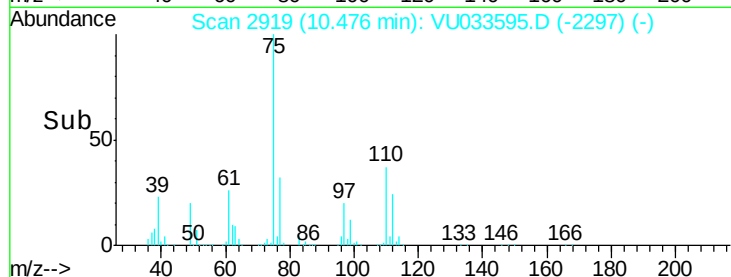
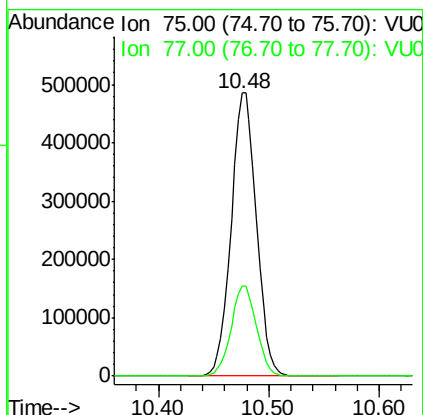
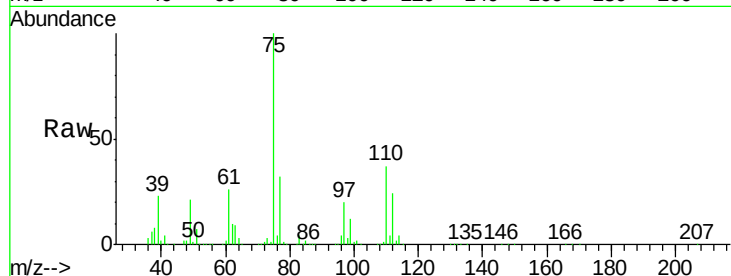




#59
 1,2,3-Trichloropropane
 Concen: 191.188 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU033595.D
 Acq: 05 Aug 2019 12:28

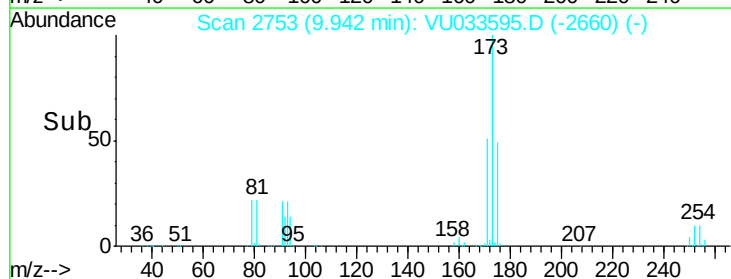
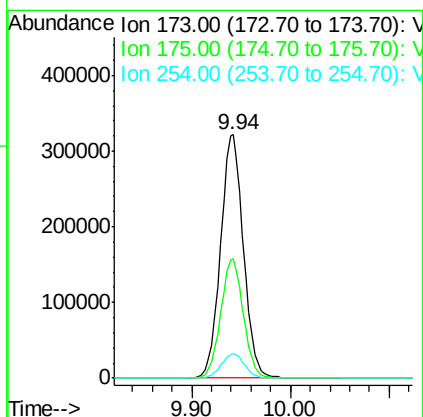
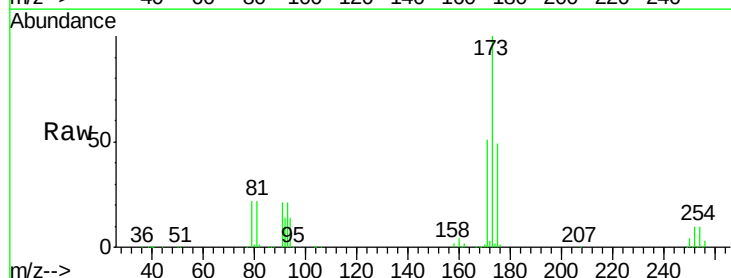
Instrument :
 MSVOA_U
 ClientSampled :

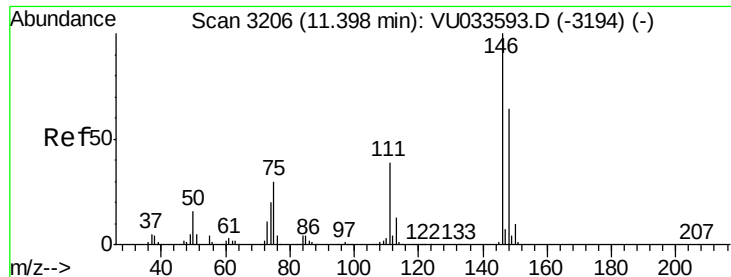
Tot Ion: 75 Resp: 768831
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.7 38.5



#61
 Bromoform
 Concen: 200.233 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU033595.D
 Acq: 05 Aug 2019 12:28

Tgt Ion: 173 Resp: 522668
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.4 59.0
 254 10.1 7.2 10.8





#62

1,3-Dichlorobenzene

Concen: 193.331 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

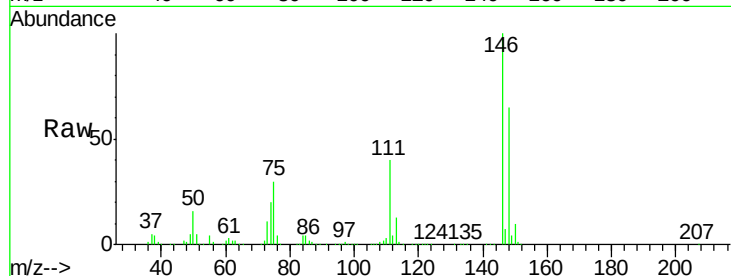
Tot Ion:146 Resp: 1268849

Ion Ratio Lower Upper

146 100

111 40.3 27.5 51.1

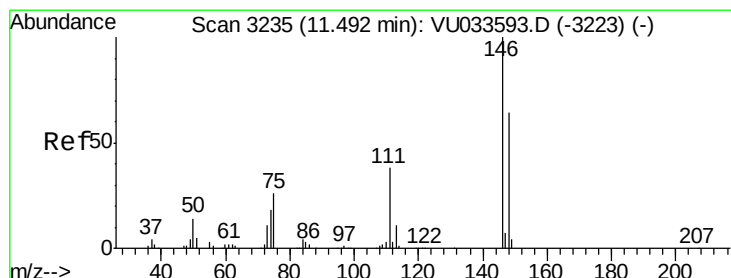
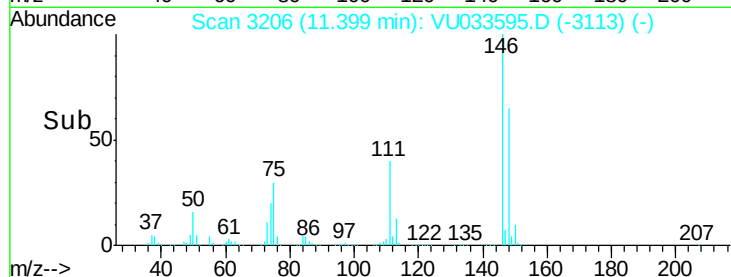
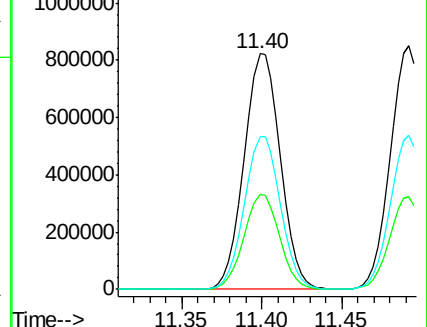
148 64.7 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 190.646 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

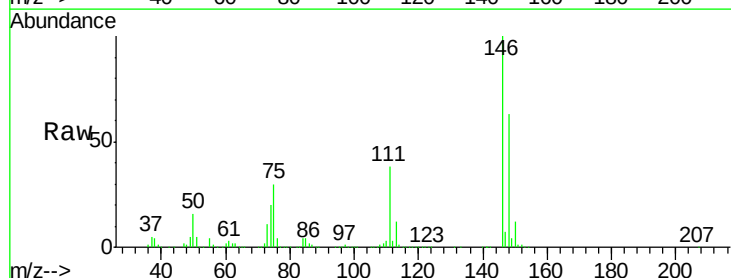
Tgt Ion:146 Resp: 1281425

Ion Ratio Lower Upper

146 100

111 38.1 26.9 49.9

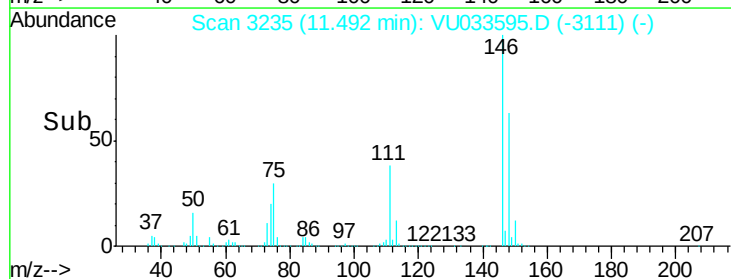
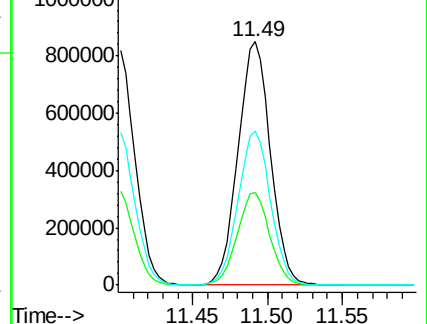
148 63.1 44.9 83.3

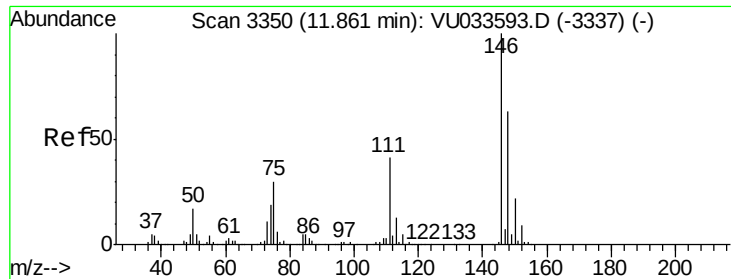


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

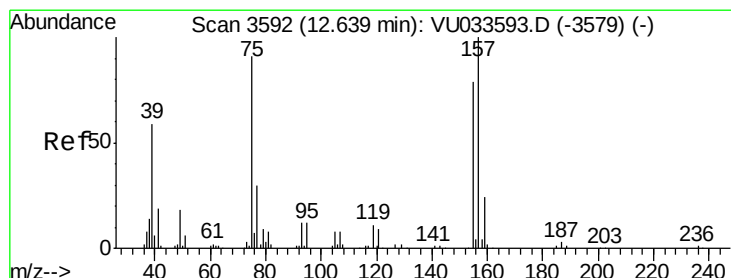
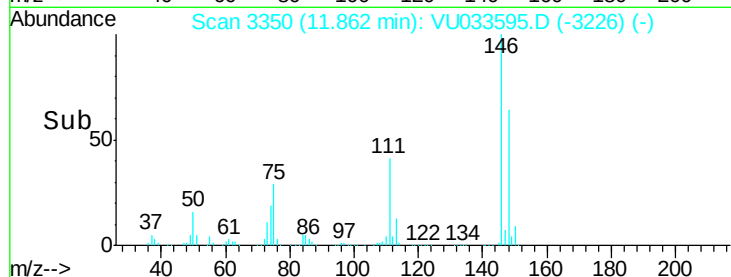
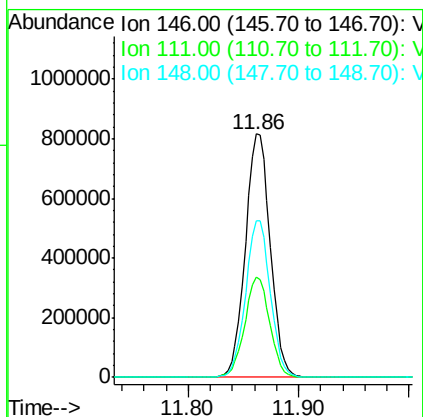
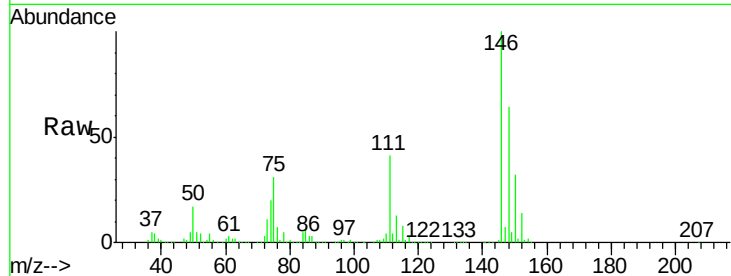




#65
 1,2-Dichlorobenzene
 Concen: 193.514 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033595.D
 Acq: 05 Aug 2019 12:28

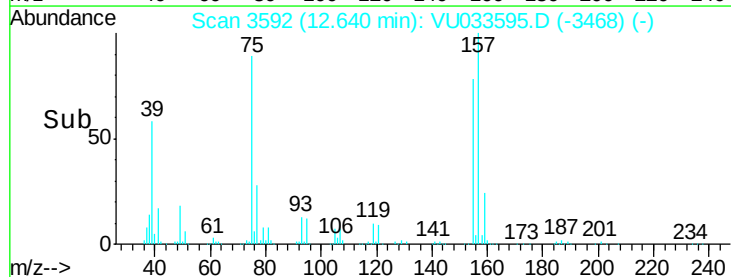
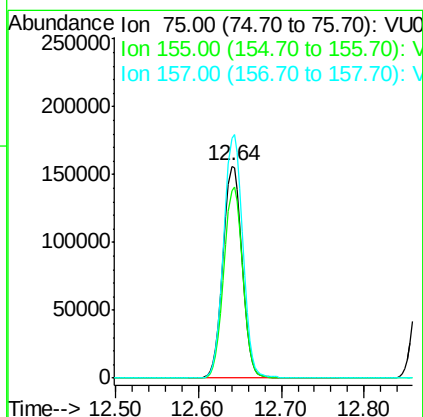
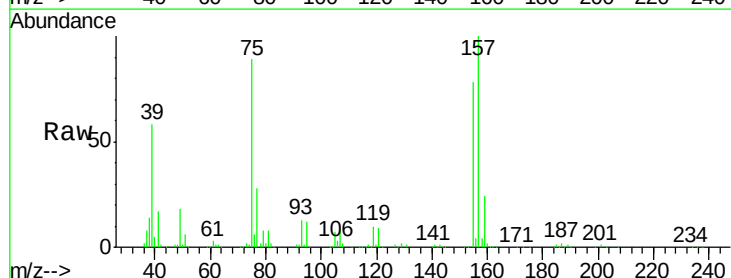
Instrument :
 MSVOA_U
 ClientSampleId :

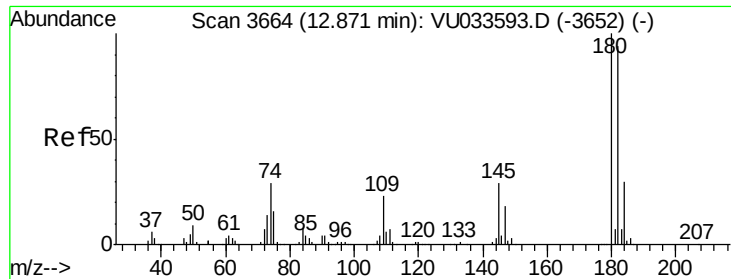
Tot Ion:146 Resp: 1270904
 Ion Ratio Lower Upper
 146 100
 111 41.0 33.0 49.6
 148 64.1 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 197.889 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU033595.D
 Acq: 05 Aug 2019 12:28

Tgt Ion: 75 Resp: 249206
 Ion Ratio Lower Upper
 75 100
 155 88.2 69.0 103.6
 157 112.9 87.8 131.8

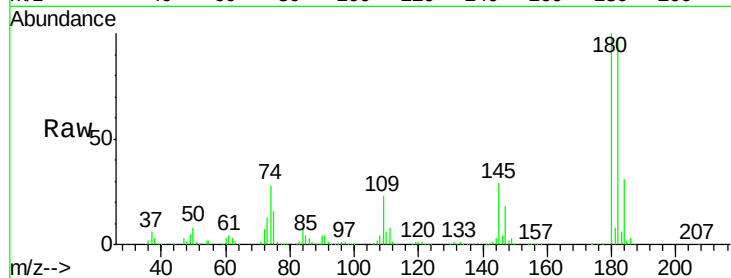




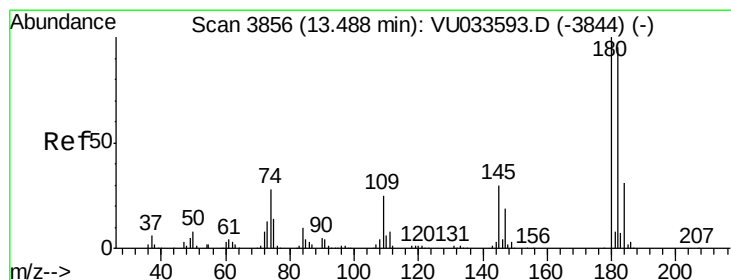
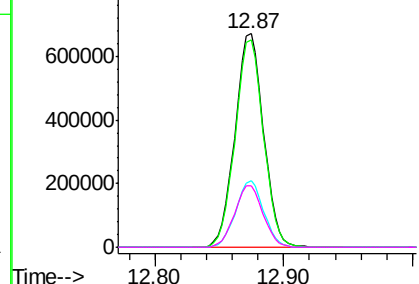
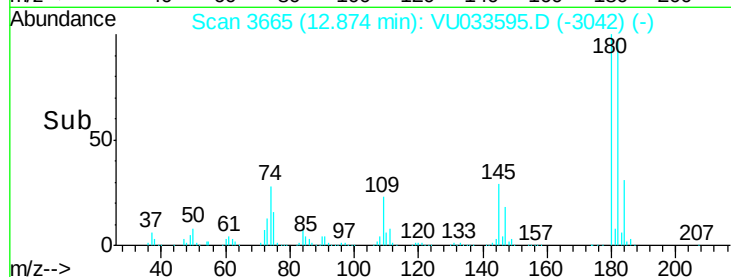
#67
 1,3,5-Trichlorobenzene
 Concen: 202.980 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033595.D
 Acq: 05 Aug 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 1028628
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.2 114.2
 184 30.7 24.2 36.4
 145 28.9 23.0 34.4

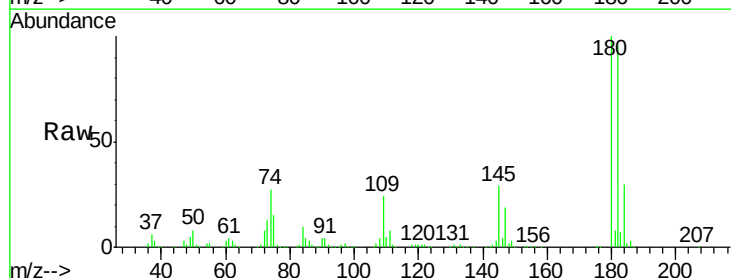


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

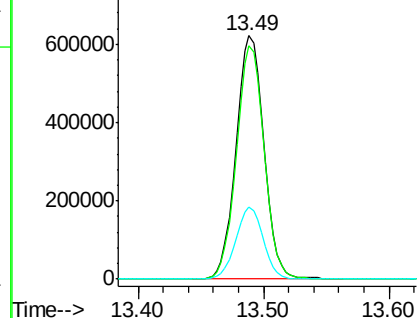
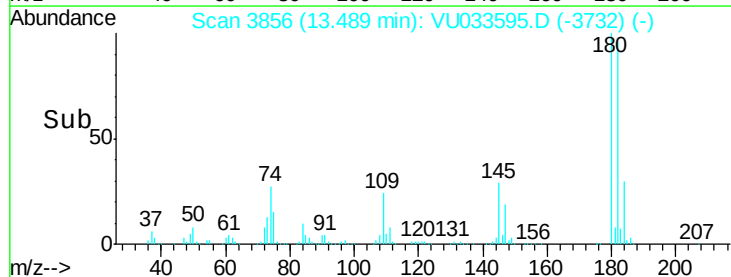


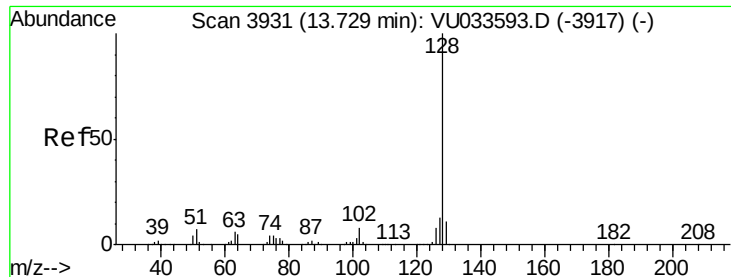
#68
 1,2,4-trichlorobenzene
 Concen: 224.919 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033595.D
 Acq: 05 Aug 2019 12:28

Tgt Ion:180 Resp: 958437
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.7 115.1
 145 29.3 23.5 35.3



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





#69

Naphthalene

Concen: 232.123 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

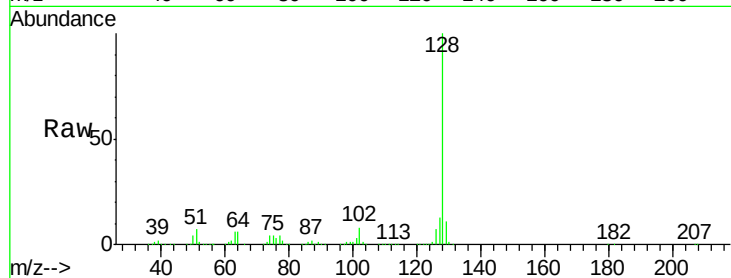
Tot Ion:128 Resp: 2873236

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

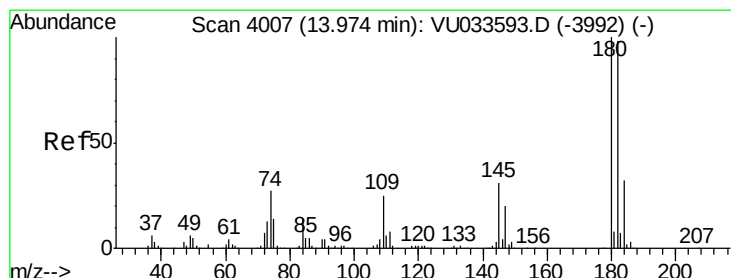
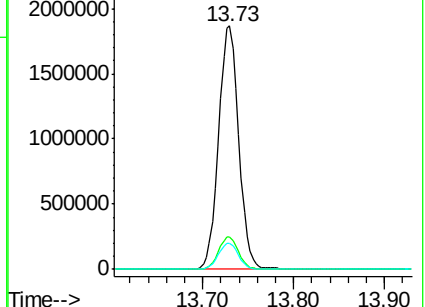
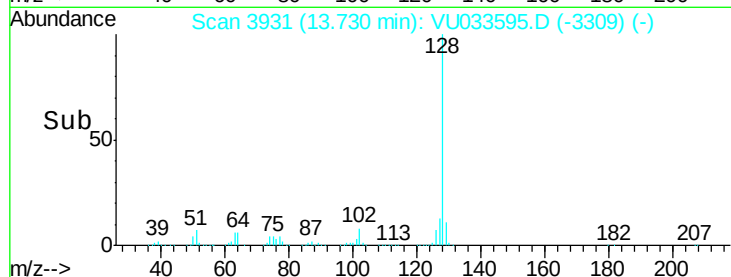
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 211.974 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033595.D

Acq: 05 Aug 2019 12:28

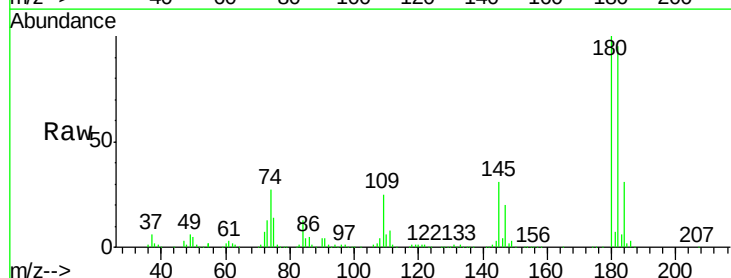
Tgt Ion:180 Resp: 965513

Ion Ratio Lower Upper

180 100

182 94.7 77.4 116.2

145 30.5 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

