

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U110119\
 Data File : VU035586.D
 Acq On : 31 Oct 2019 14:36
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Oct 31 17:30:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 11:40:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	706041	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	691144	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	325372	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	264865	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.90%
7) Chloroethane-d5	1.93	69	222367	48.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.66%
11) 1,1-Dichloroethene-d2	2.59	63	431941	48.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.42%
21) 2-Butanone-d5	4.69	46	339316	101.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.87%
24) Chloroform-d	5.11	84	436888	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.22%
26) 1,2-Dichloroethane-d4	5.75	65	263509	48.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.68%
32) Benzene-d6	5.77	84	901646	50.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.10%
36) 1,2-Dichloropropane-d6	6.73	67	293546	50.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.48%
41) Toluene-d8	7.93	98	853302	50.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.44%
43) trans-1,3-Dichloropropene-	8.21	79	140889	52.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.70%
47) 2-Hexanone-d5	8.67	63	235891	105.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.35%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	412332	49.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.26%
64) 1,2-Dichlorobenzene-d4	12.22	152	303931	46.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.62%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	286574	52.046 ug/L	99
3) Chloromethane	1.54	50	313525	52.247 ug/L	99
5) Vinyl chloride	1.62	62	331361	51.320 ug/L	99
6) Bromomethane	1.87	94	179665	54.936 ug/L	97
8) Chloroethane	1.95	64	191166	50.904 ug/L	100
9) Trichlorofluoromethane	2.16	101	400524	52.366 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	237165	54.012 ug/L	98
12) 1,1-Dichloroethene	2.61	96	223310	51.777 ug/L	98
13) Acetone	2.66	43	300248	102.451 ug/L	99
14) Carbon disulfide	2.82	76	657144	49.455 ug/L	100
15) Methyl Acetate	2.99	43	273181	51.464 ug/L	100
16) Methylene chloride	3.08	84	270871	51.472 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	236851	52.148 ug/L	100
18) Methyl tert-butyl Ether	3.42	73	730797	53.220 ug/L	100
19) 1,1-Dichloroethane	3.92	63	459561	52.454 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	269785	52.663 ug/L	99
22) 2-Butanone	4.77	43	413516	106.888 ug/L	99

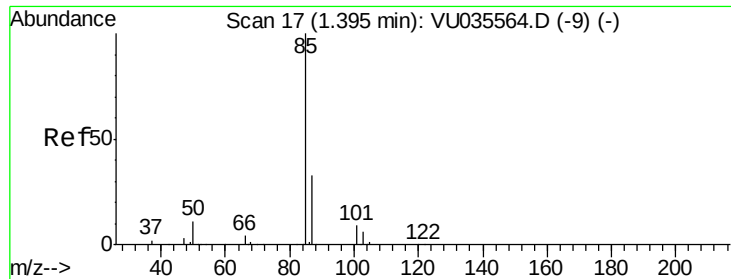
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU110119\
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 11:40:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	143944	53.174	ug/L	98
25) Chloroform	5.13	83	473114	53.171	ug/L	99
27) 1,2-Dichloroethane	5.84	62	338711	52.103	ug/L	99
29) Cyclohexane	5.43	56	372955	52.905	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	381679	52.542	ug/L	99
31) Carbon tetrachloride	5.57	117	344273	53.300	ug/L	98
33) Benzene	5.82	78	1030330	53.044	ug/L	100
34) Trichloroethene	6.58	95	257328	52.110	ug/L	99
35) Methylcyclohexane	6.80	83	376326	52.473	ug/L	100
37) 1,2-Dichloropropane	6.83	63	278095	53.463	ug/L	99
38) Bromodichloromethane	7.14	83	341565	51.661	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	424680	54.927	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	709798	101.999	ug/L	99
42) Toluene	8.00	91	1114649	54.752	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	387465	54.671	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	260633	52.275	ug/L	99
46) Tetrachloroethene	8.58	164	213788	51.776	ug/L	99
48) 2-Hexanone	8.73	43	567759	100.329	ug/L	95
49) Dibromochloromethane	8.84	129	295798	52.610	ug/L	100
50) 1,2-Dibromoethane	8.96	107	281910	52.996	ug/L	100
51) Chlorobenzene	9.48	112	713013	52.463	ug/L	99
52) Ethylbenzene	9.60	91	1167476	53.643	ug/L	99
53) m,p-Xylene	9.72	106	456046	55.842	ug/L	95
54) o-xylene	10.13	106	438975	54.996	ug/L	97
55) Styrene	10.14	104	738664	55.762	ug/L	100
56) Isopropylbenzene	10.51	105	1108043	55.241	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	441658	51.428	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	347239	51.197	ug/L	100
61) Bromoform	10.32	173	233662	47.073	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	508084	49.500	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	503147	48.252	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	514164	49.203	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	74553	46.015	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	290745	49.029	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	173811	43.756	ug/L	100
69) Naphthalene	14.11	128	384210	37.709	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	183957	42.981	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 52.046 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

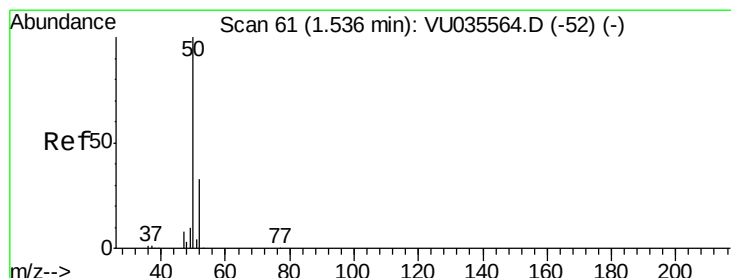
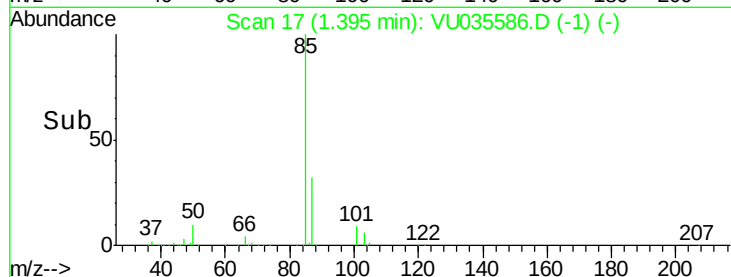
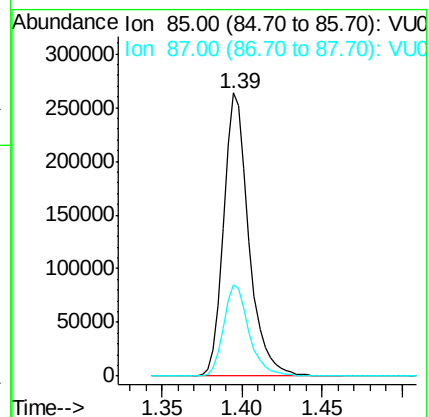
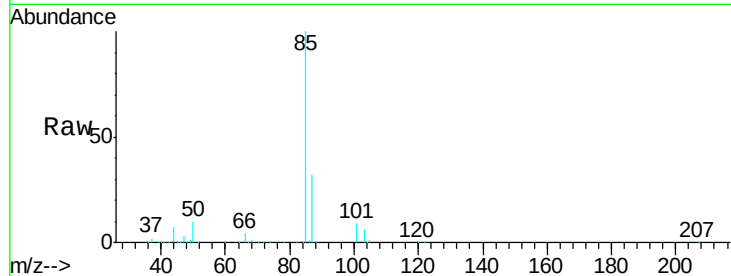
VSTD05050

Tgt Ion: 85 Resp: 286574

Ion Ratio Lower Upper

85 100

87 32.6 25.7 38.5



#3

Chloromethane

Concen: 52.247 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035586.D

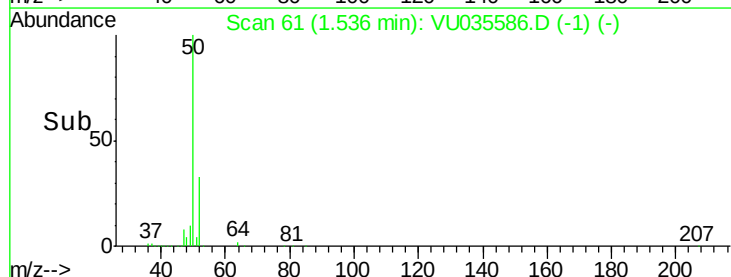
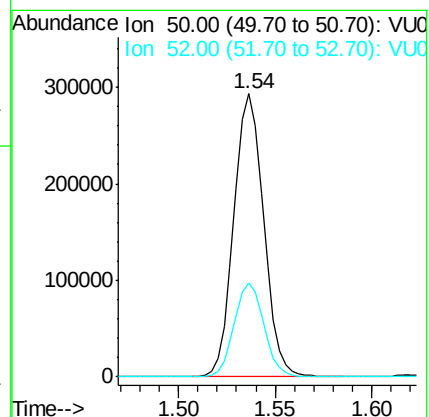
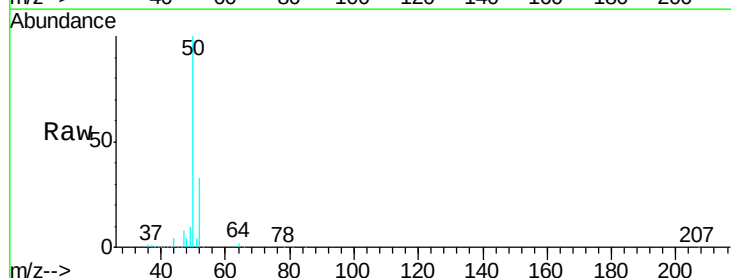
Acq: 31 Oct 2019 14:36

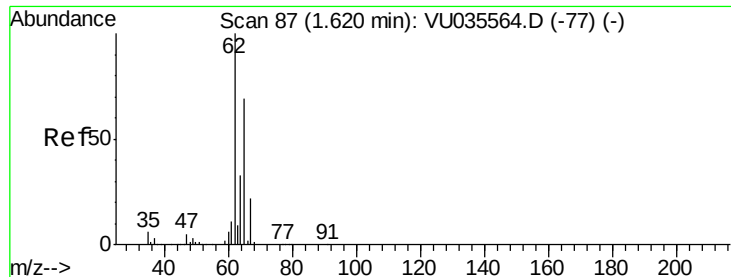
Tgt Ion: 50 Resp: 313525

Ion Ratio Lower Upper

50 100

52 33.2 23.0 42.6





#5

Vinyl chloride

Concen: 51.320 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

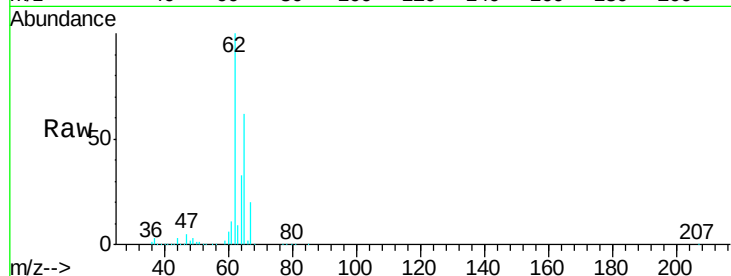
VSTD05050

Tgt Ion: 62 Resp: 331361

Ion Ratio Lower Upper

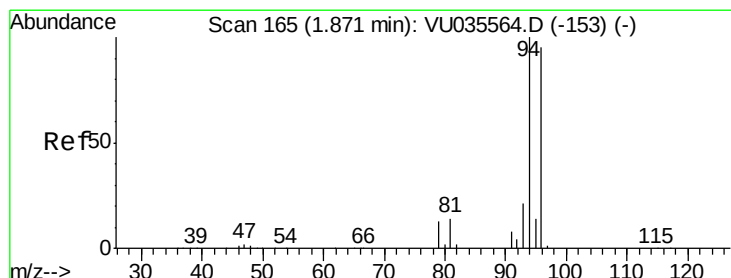
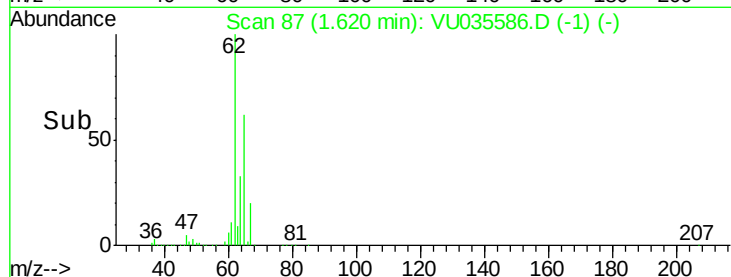
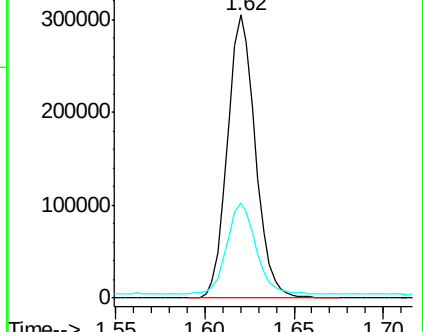
62 100

64 33.5 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU035564.D (-77) (-)

Ion 64.00 (63.70 to 64.70): VU035564.D (-77) (-)



#6

Bromomethane

Concen: 54.936 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU035586.D

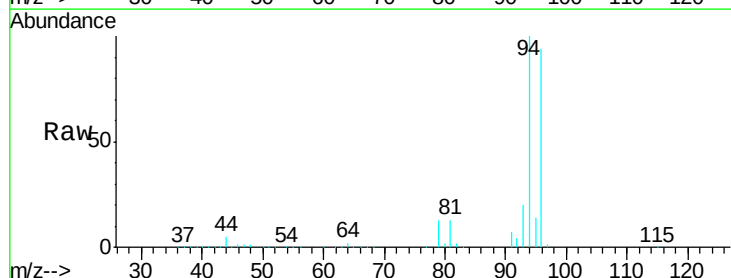
Acq: 31 Oct 2019 14:36

Tgt Ion: 94 Resp: 179665

Ion Ratio Lower Upper

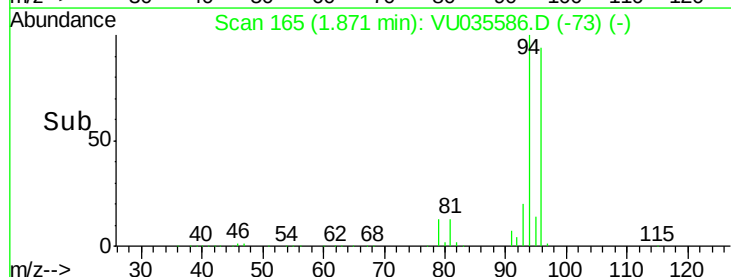
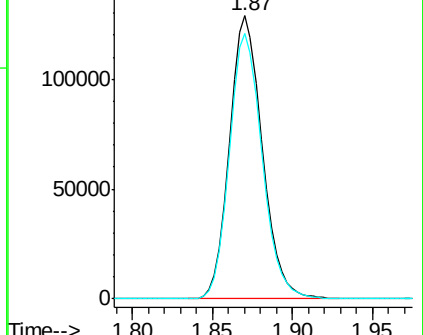
94 100

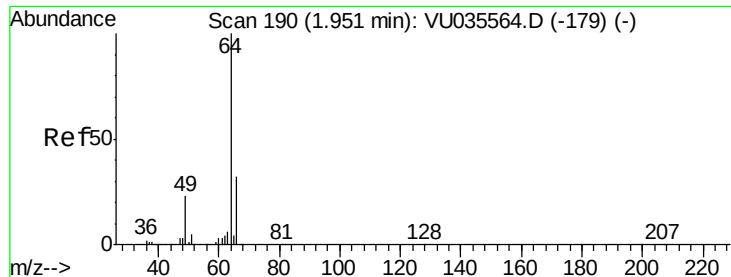
96 93.6 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VU035564.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU035564.D (-153) (-)





#8

Chloroethane

Concen: 50.904 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

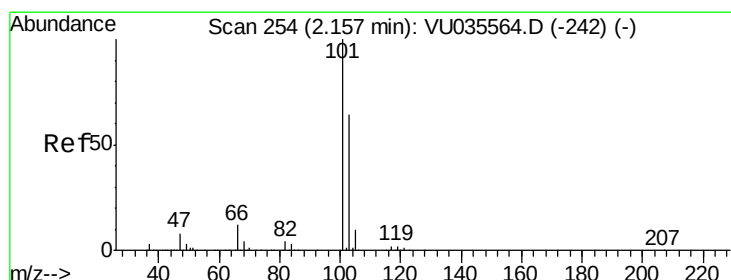
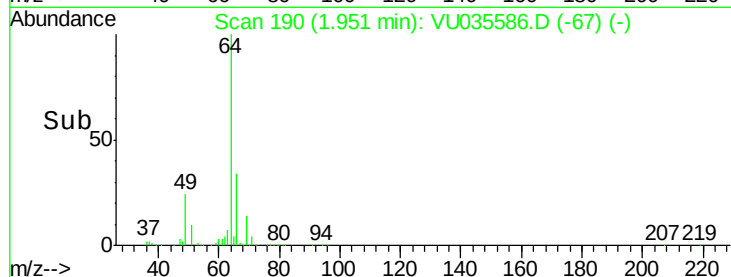
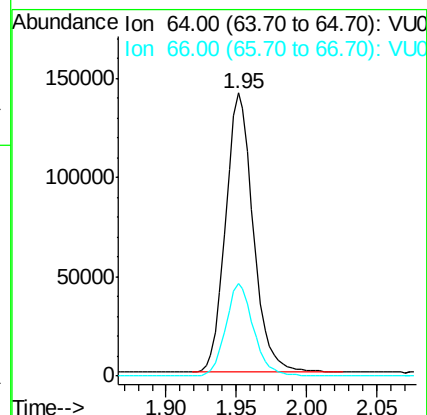
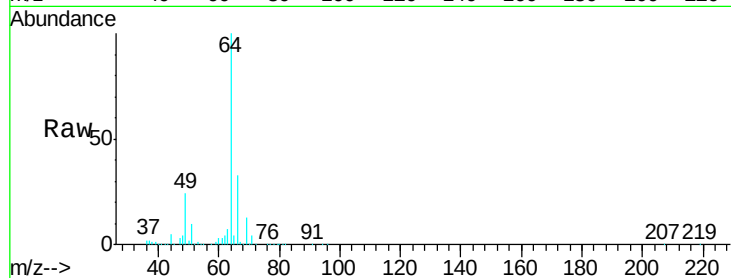
VSTD05050

Tgt Ion: 64 Resp: 191166

Ion Ratio Lower Upper

64 100

66 32.8 22.8 42.4



#9

Trichlorofluoromethane

Concen: 52.366 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU035586.D

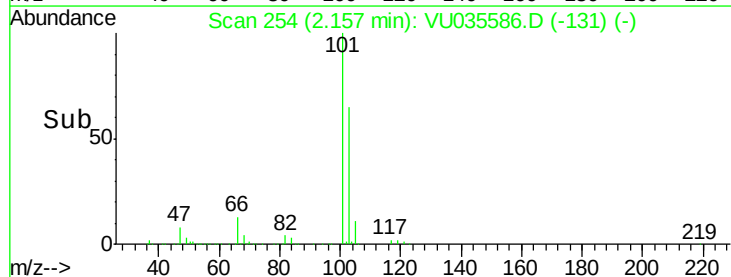
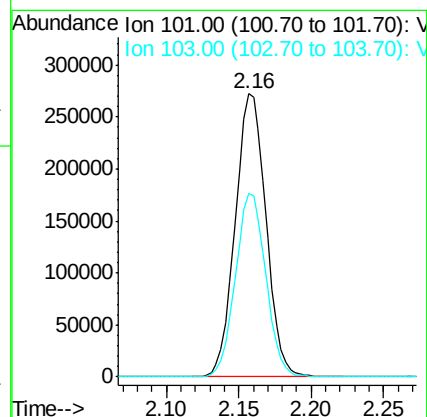
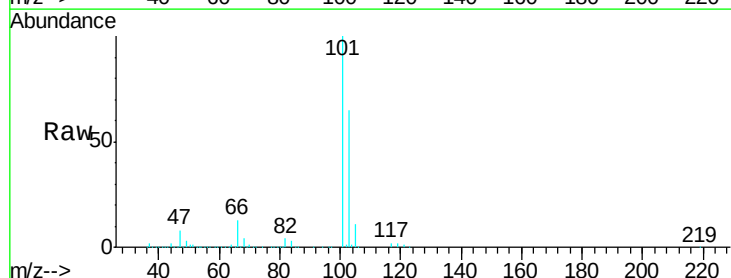
Acq: 31 Oct 2019 14:36

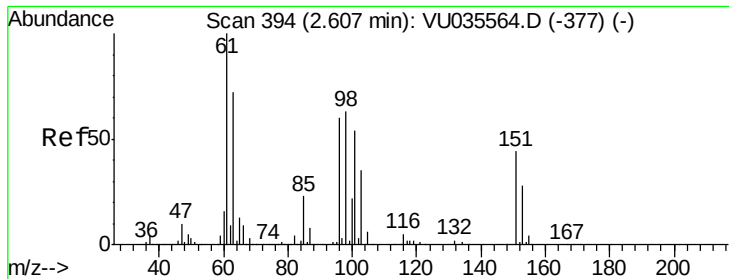
Tgt Ion: 101 Resp: 400524

Ion Ratio Lower Upper

101 100

103 64.1 51.8 77.6





#10

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

Concen: 54.012 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampled :

VSTD05050

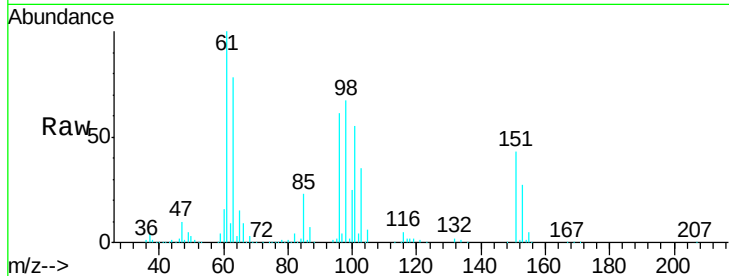
Tgt Ion: 101 Resp: 237165

Ion Ratio Lower Upper

101 100

85 41.8 34.0 51.0

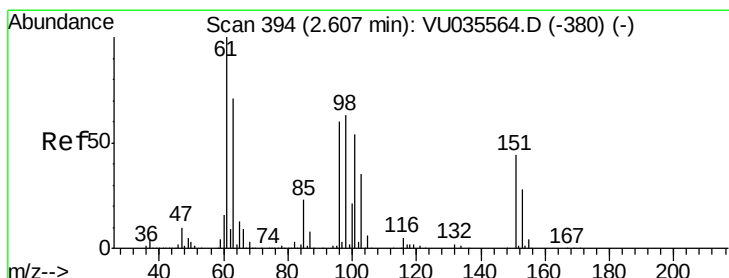
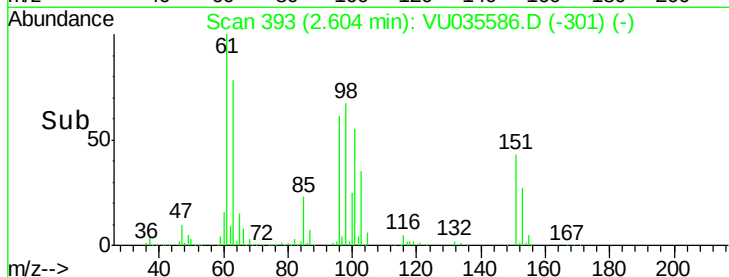
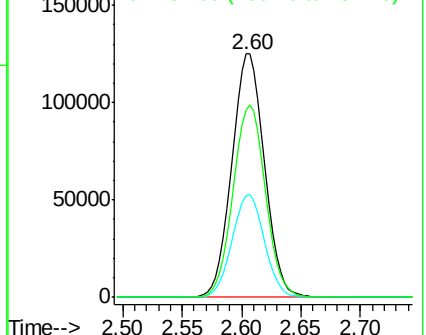
151 78.7 64.2 96.4



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: 51.777 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

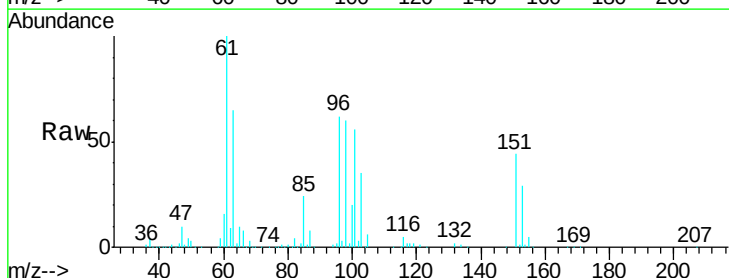
Tgt Ion: 96 Resp: 223310

Ion Ratio Lower Upper

96 100

61 160.5 113.1 210.1

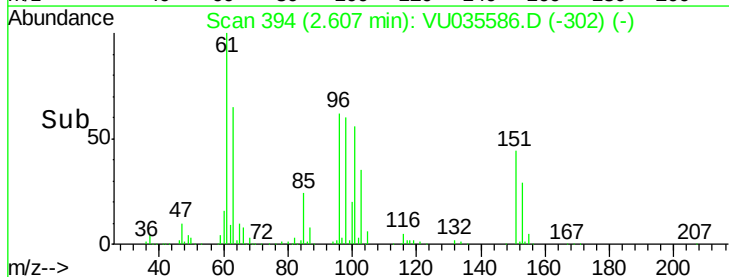
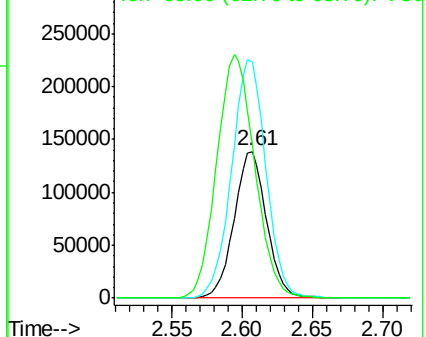
63 104.5 76.2 141.4

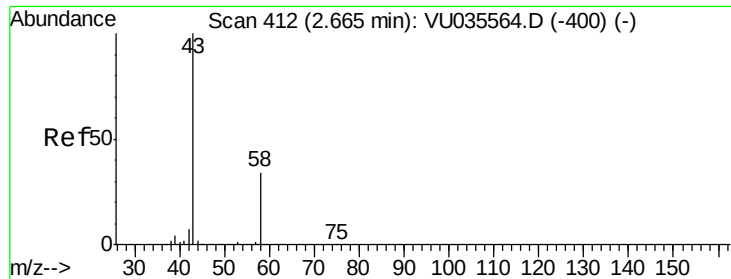


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 102.451 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

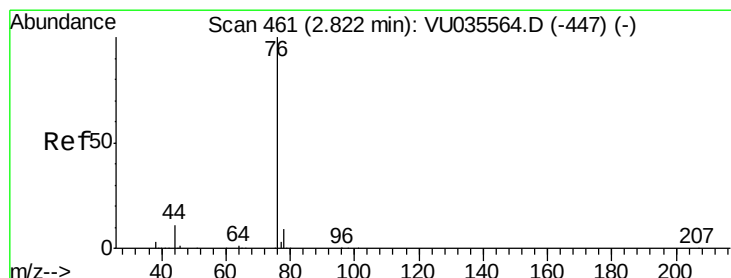
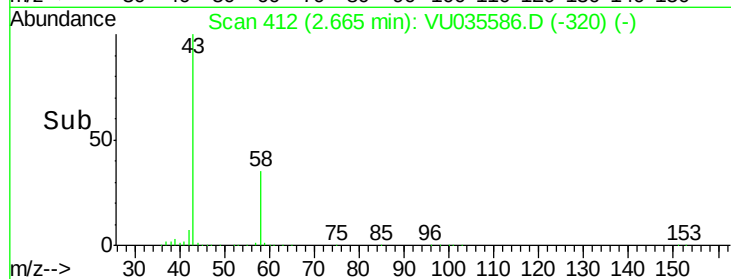
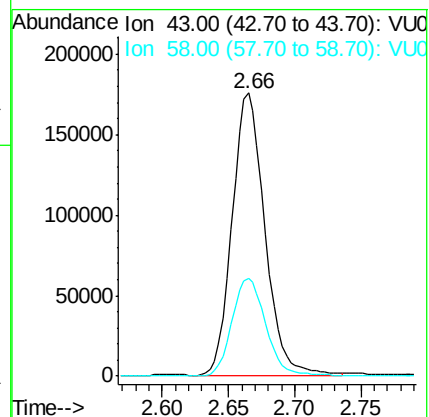
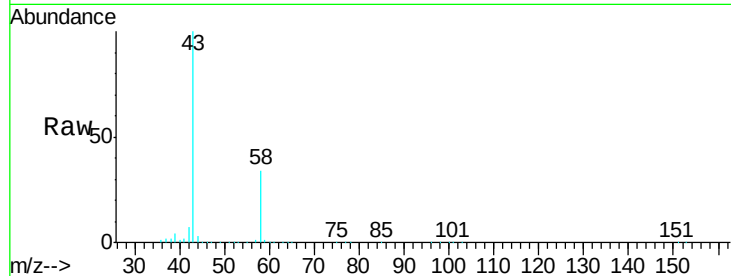
VSTD05050

Tgt Ion: 43 Resp: 300248

Ion Ratio Lower Upper

43 100

58 35.7 0.0 70.0



#14

Carbon disulfide

Concen: 49.455 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035586.D

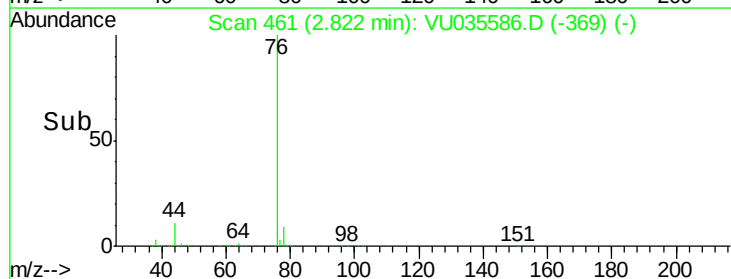
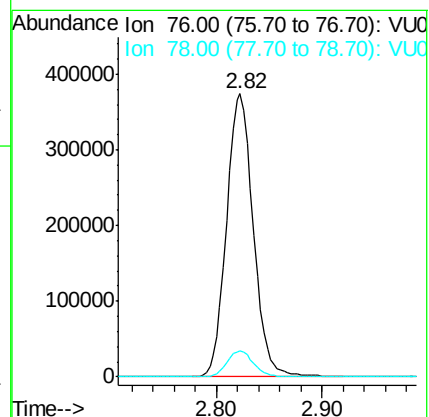
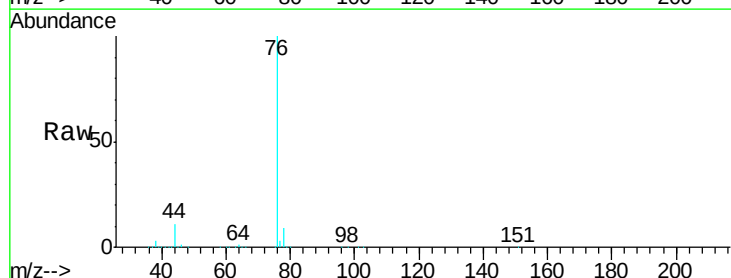
Acq: 31 Oct 2019 14:36

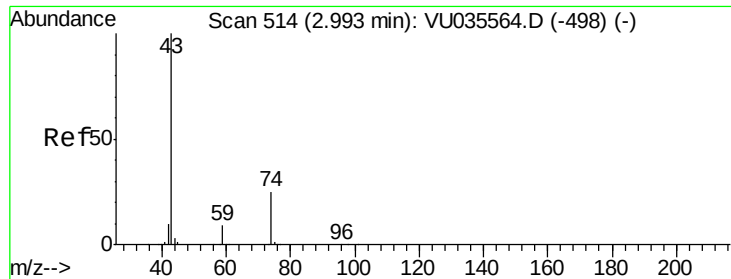
Tgt Ion: 76 Resp: 657144

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

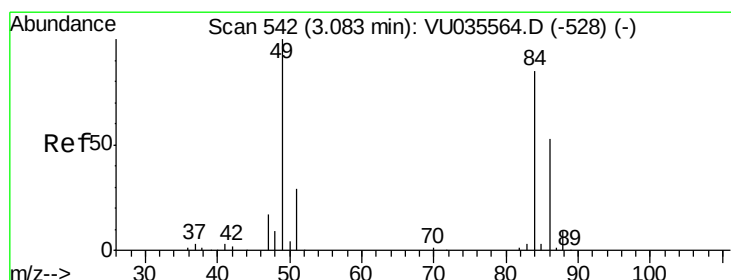
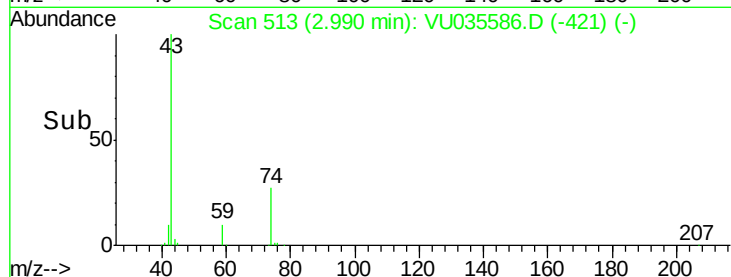
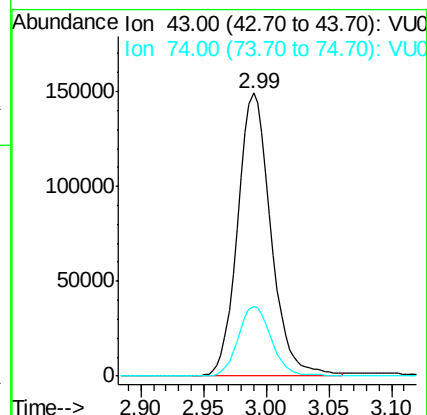
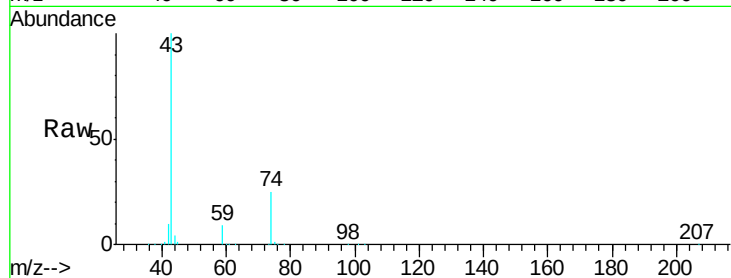




#15
Methyl Acetate
Concen: 51.464 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU035586.D
Acq: 31 Oct 2019 14:36

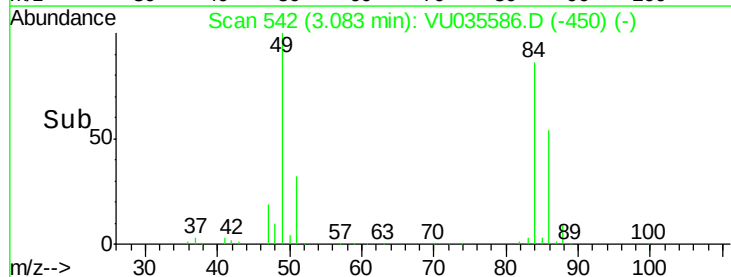
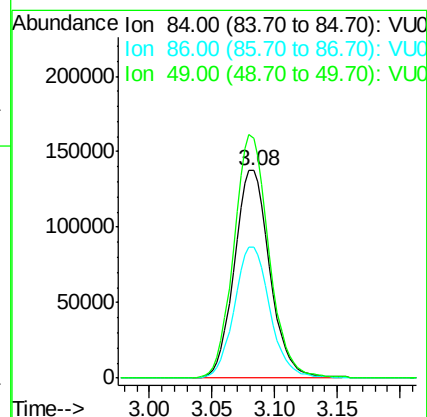
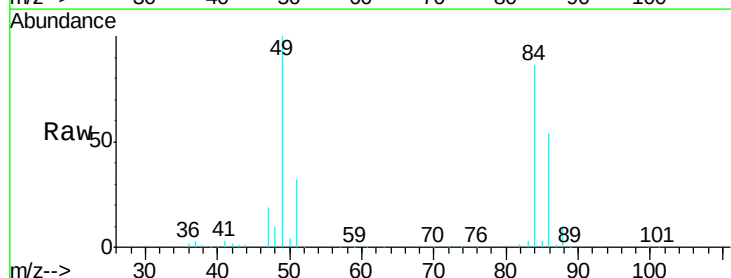
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

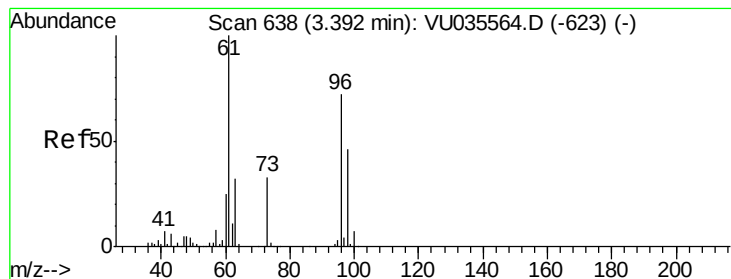
Tgt Ion: 43 Resp: 273181
Ion Ratio Lower Upper
43 100
74 24.9 19.8 29.6



#16
Methylene chloride
Concen: 51.472 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035586.D
Acq: 31 Oct 2019 14:36

Tgt Ion: 84 Resp: 270871
Ion Ratio Lower Upper
84 100
86 63.0 45.1 83.7
49 115.7 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 52.148 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.01 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

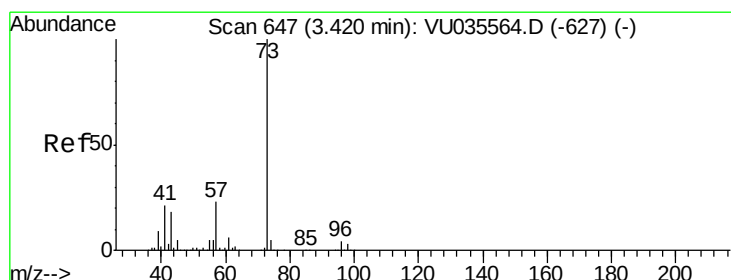
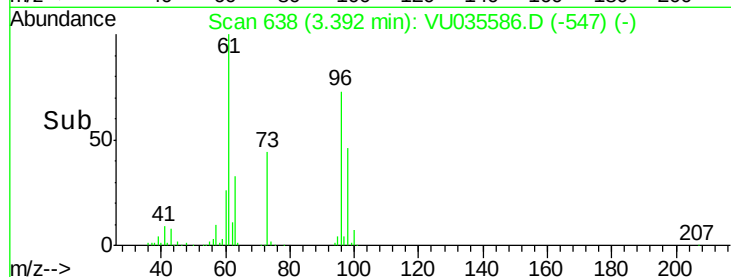
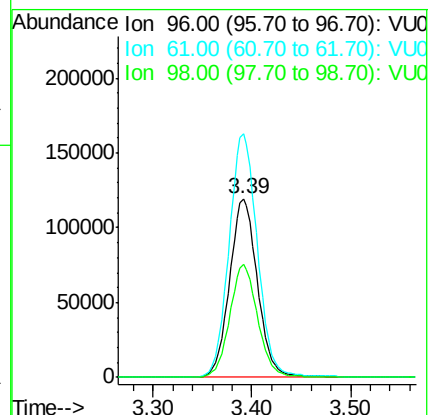
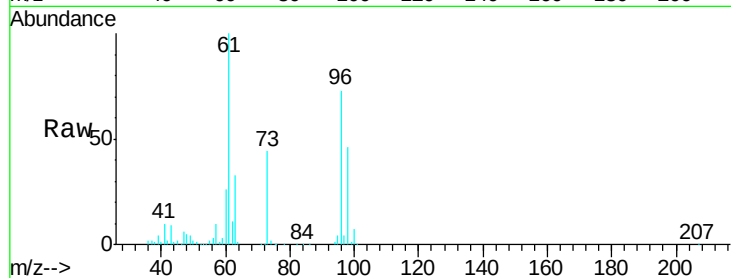
Tgt Ion: 96 Resp: 236851

Ion Ratio Lower Upper

96 100

61 136.3 95.3 176.9

98 63.0 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 53.220 ug/L

RT: 3.42 min Scan# 646

Delta R.T. -0.01 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

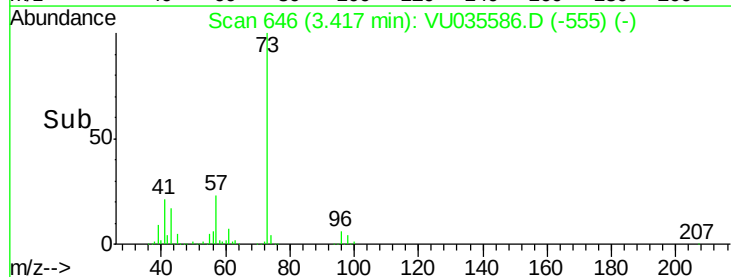
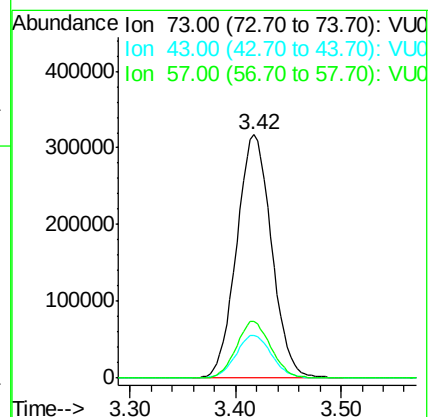
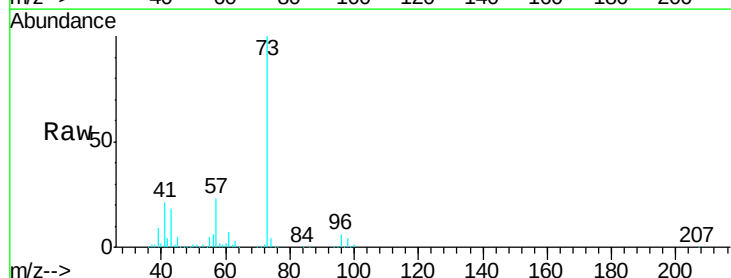
Tgt Ion: 73 Resp: 730797

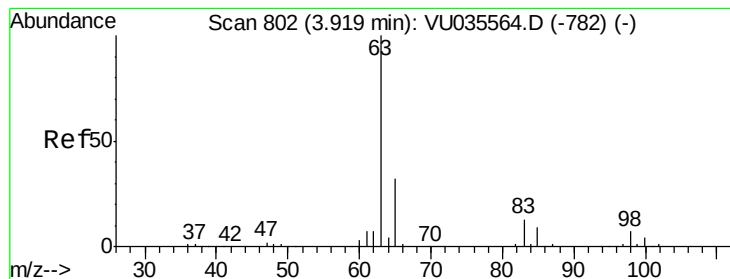
Ion Ratio Lower Upper

73 100

43 17.7 14.2 21.2

57 23.0 18.3 27.5





#19

1,1-Dichloroethane

Concen: 52.454 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.01 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

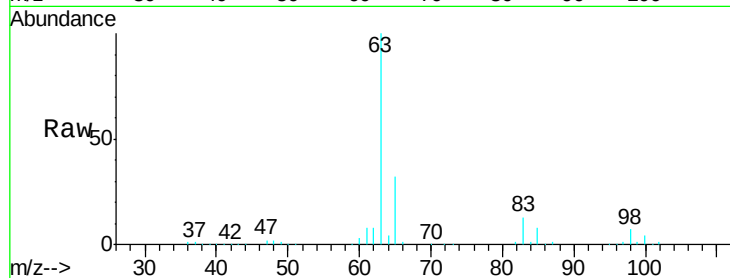
Tgt Ion: 63 Resp: 459561

Ion Ratio Lower Upper

63 100

65 32.3 22.1 41.1

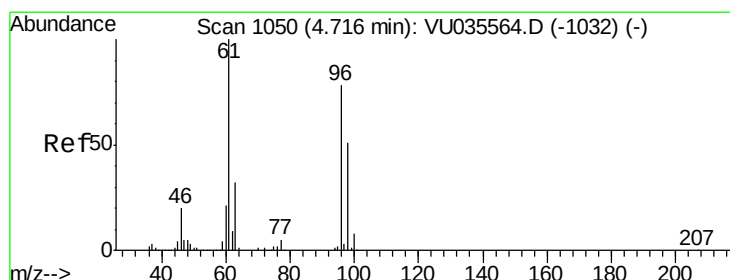
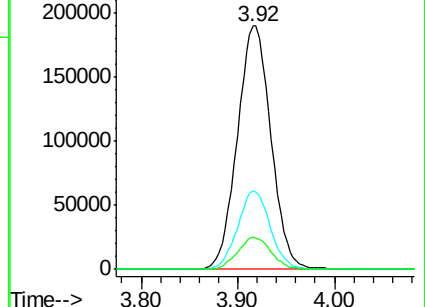
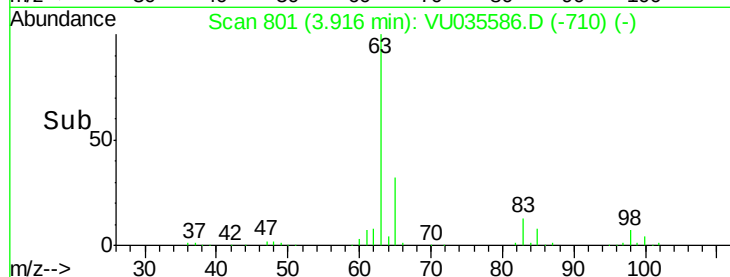
83 13.1 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VU035564.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU035564.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU035564.D (-782) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.663 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

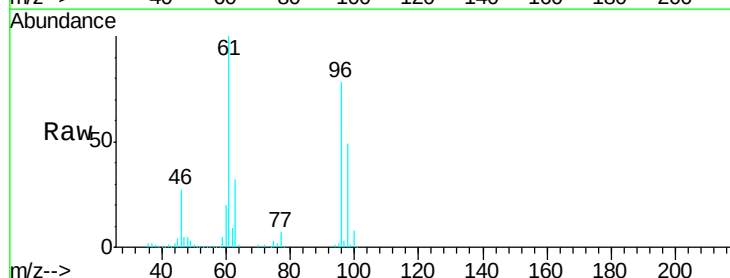
Tgt Ion: 96 Resp: 269785

Ion Ratio Lower Upper

96 100

61 127.8 90.6 168.3

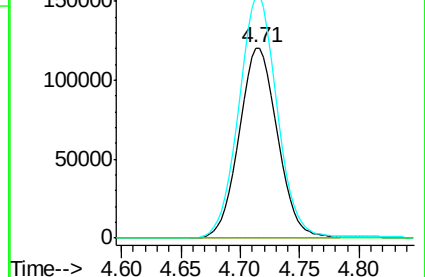
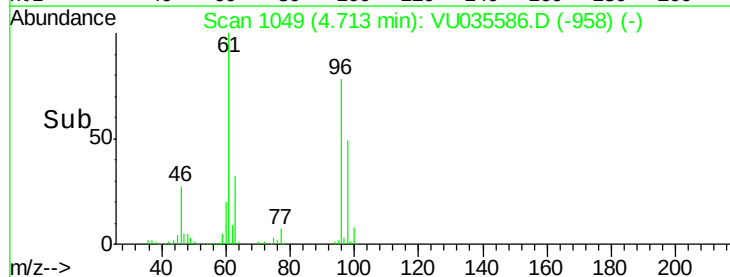
68 0.0 0.0 0.0

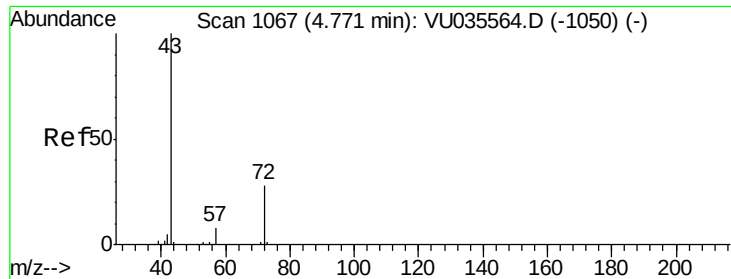


Abundance Ion 96.00 (95.70 to 96.70): VU035564.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU035564.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU035564.D (-1032) (-)





#22

2-Butanone

Concen: 106.888 ug/L

RT: 4.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

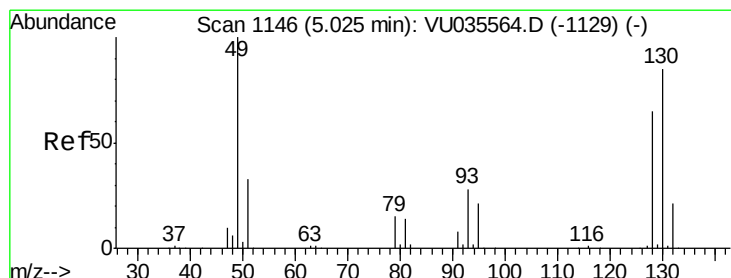
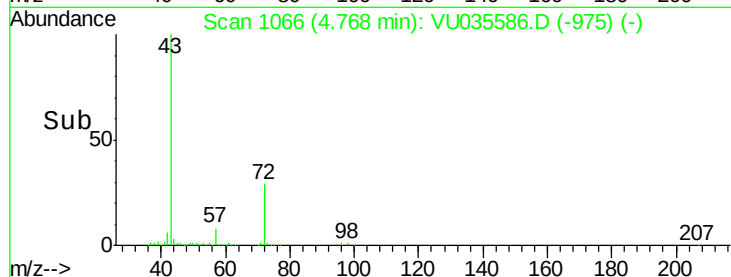
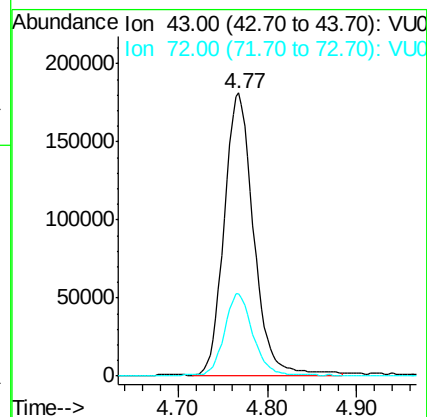
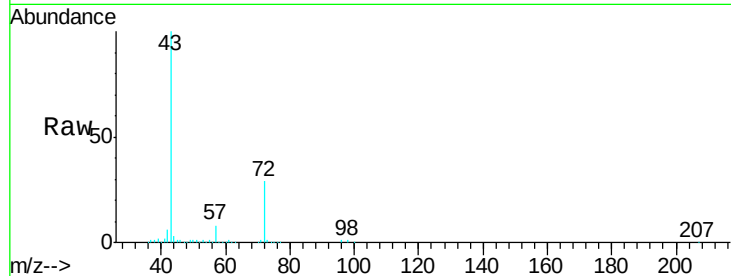
VSTD05050

Tgt Ion: 43 Resp: 413516

Ion Ratio Lower Upper

43 100

72 27.5 13.5 40.4



#23

Bromochloromethane

Concen: 53.174 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Tgt Ion: 128 Resp: 143944

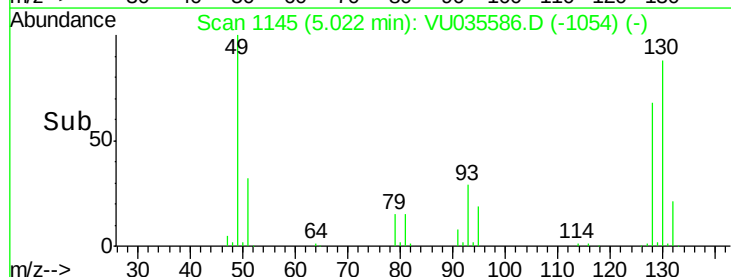
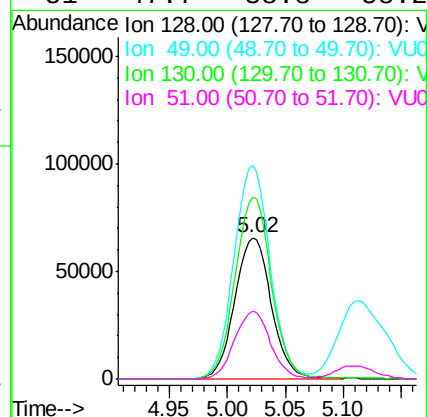
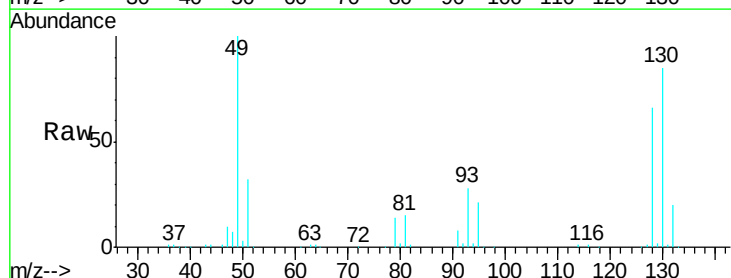
Ion Ratio Lower Upper

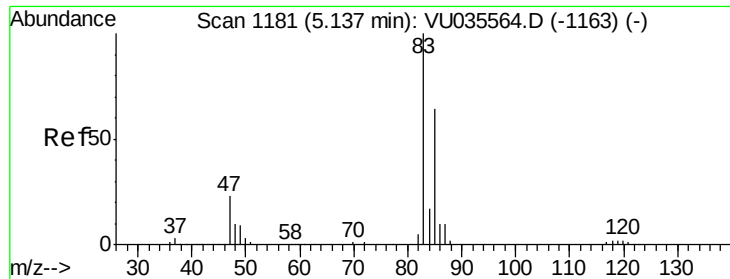
128 100

49 151.0 106.4 197.6

130 128.9 88.1 163.5

51 47.7 38.8 58.2

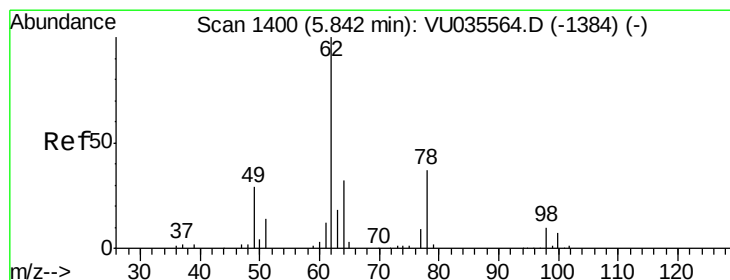
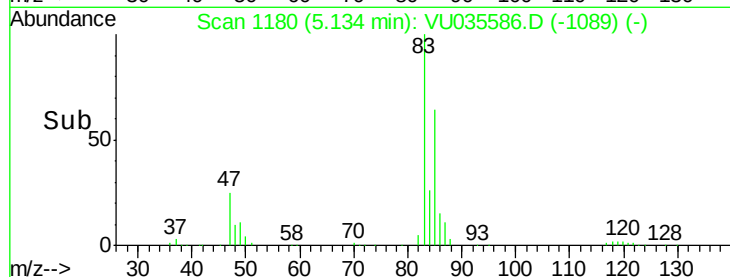
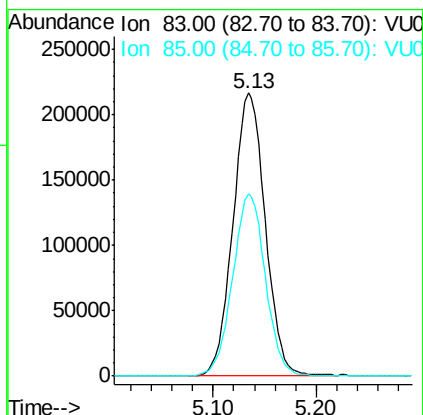
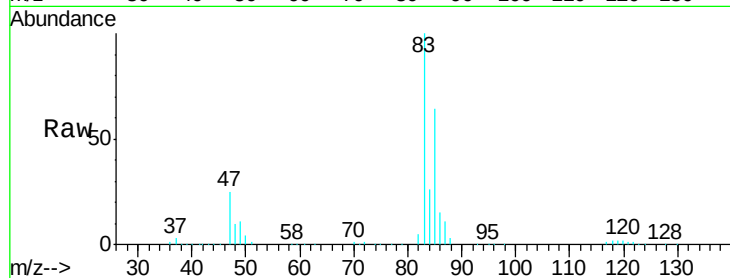




#25
Chloroform
Concen: 53.171 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VU035586.D
Acq: 31 Oct 2019 14:36

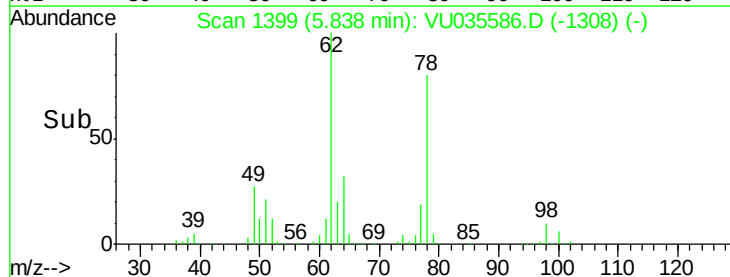
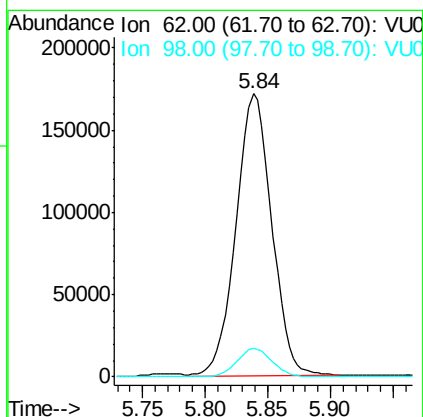
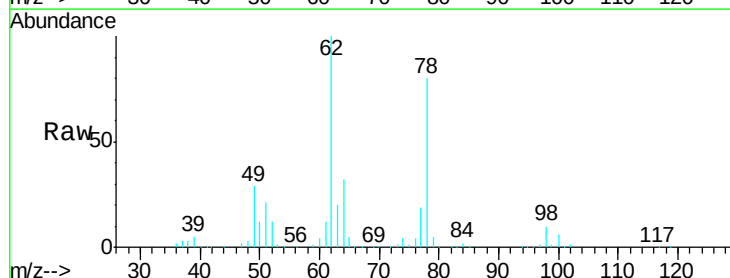
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

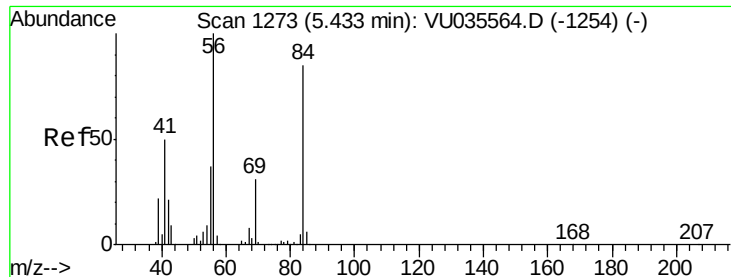
Tgt Ion: 83 Resp: 473114
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 52.103 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.01 min
Lab File: VU035586.D
Acq: 31 Oct 2019 14:36

Tgt Ion: 62 Resp: 338711
Ion Ratio Lower Upper
62 100
98 9.9 8.2 12.2

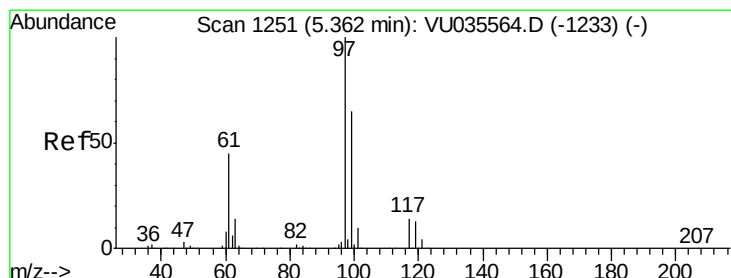
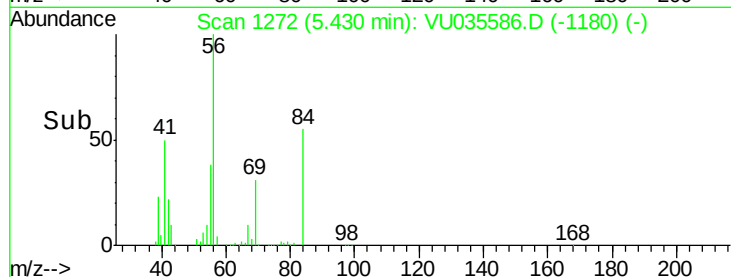
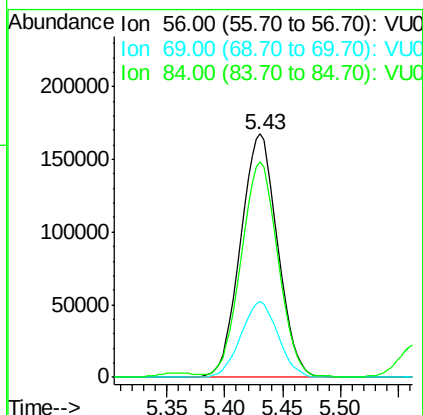
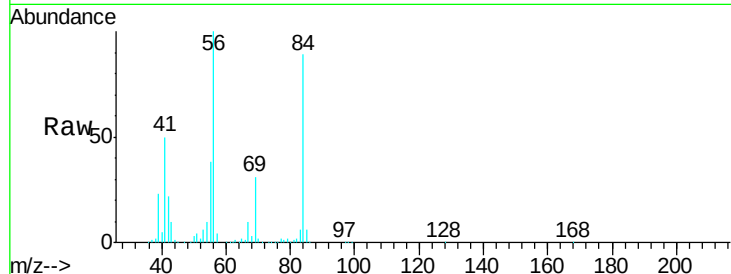




#29
Cyclohexane
Concen: 52.905 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU035586.D
Acq: 31 Oct 2019 14:36

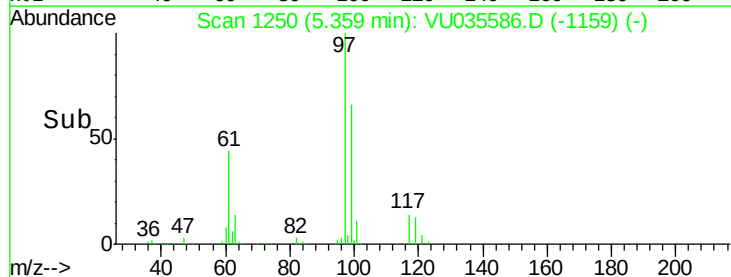
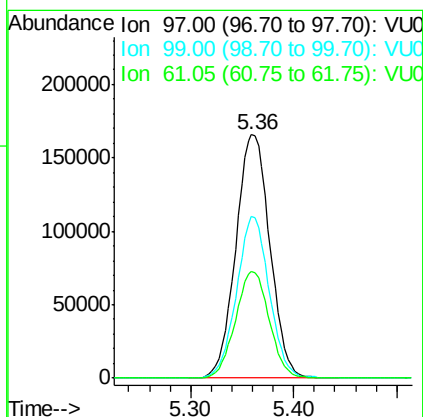
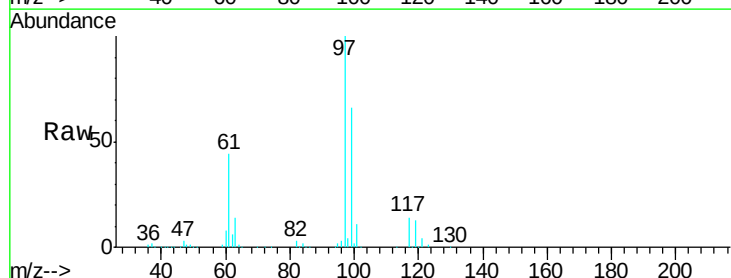
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

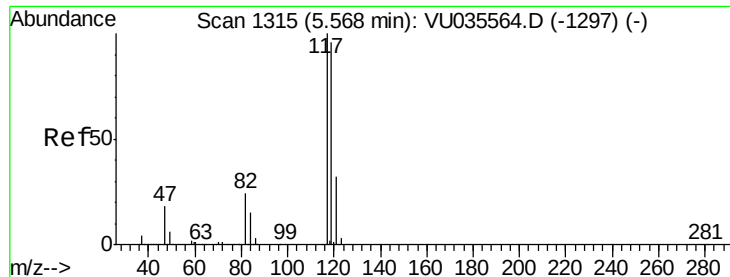
Tgt Ion: 56 Resp: 372955
Ion Ratio Lower Upper
56 100
69 31.1 24.4 36.6
84 88.1 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 52.542 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.01 min
Lab File: VU035586.D
Acq: 31 Oct 2019 14:36

Tgt Ion: 97 Resp: 381679
Ion Ratio Lower Upper
97 100
99 63.7 51.5 77.3
61 43.0 35.1 52.7





#31

Carbon tetrachloride

Concen: 53.300 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

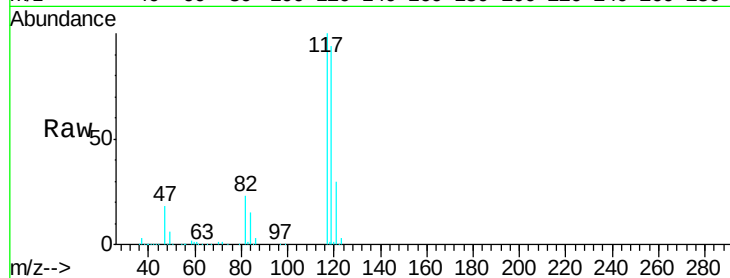
VSTD05050

Tgt Ion:117 Resp: 344273

Ion Ratio Lower Upper

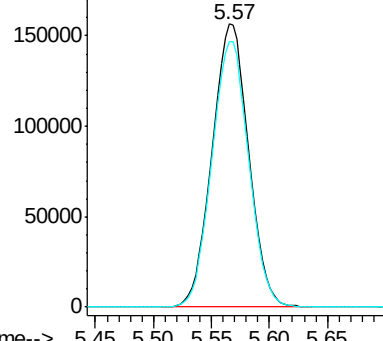
117 100

119 94.5 77.4 116.2

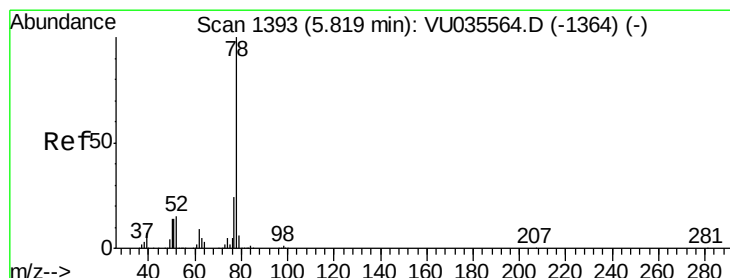
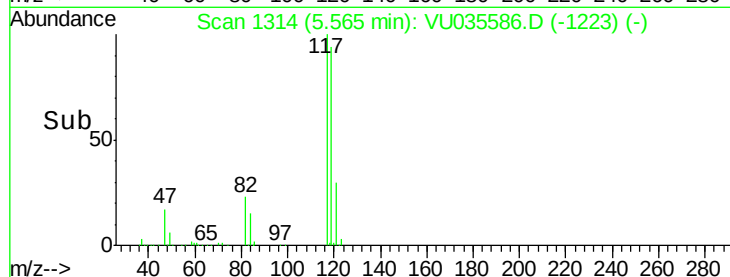


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#33

Benzene

Concen: 53.044 ug/L

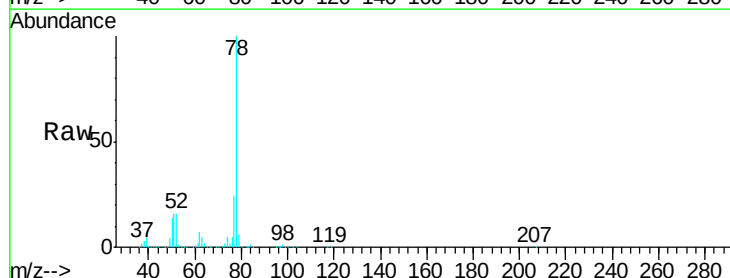
RT: 5.82 min Scan# 1392

Delta R.T. -0.01 min

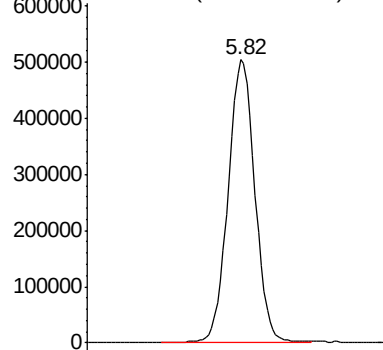
Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

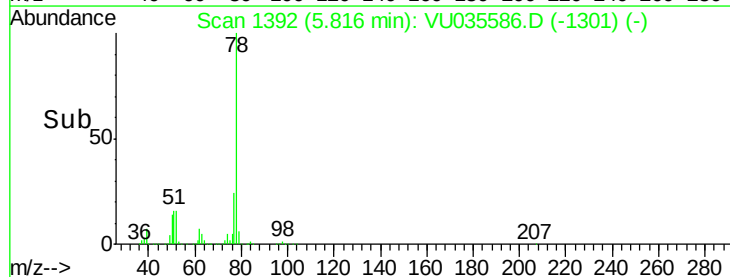
Tgt Ion: 78 Resp: 1030330

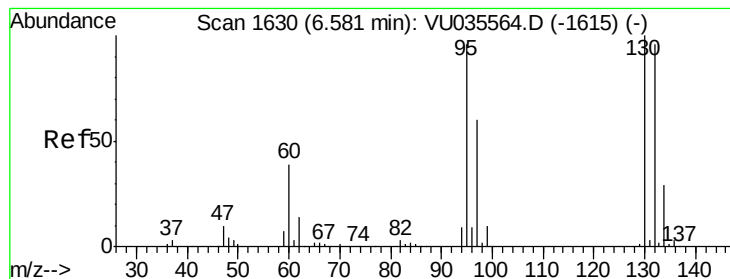


Abundance Ion 78.00 (77.70 to 78.70): VU0



Time-->





#34

Trichloroethene

Concen: 52.110 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

Tgt Ion: 95 Resp: 257328

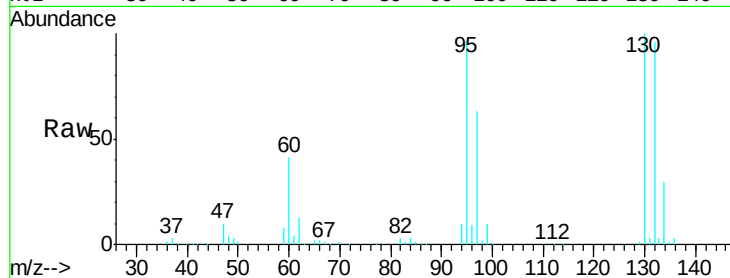
Ion Ratio Lower Upper

95 100

97 64.6 45.6 84.6

132 99.7 69.9 129.7

130 103.3 73.1 135.7

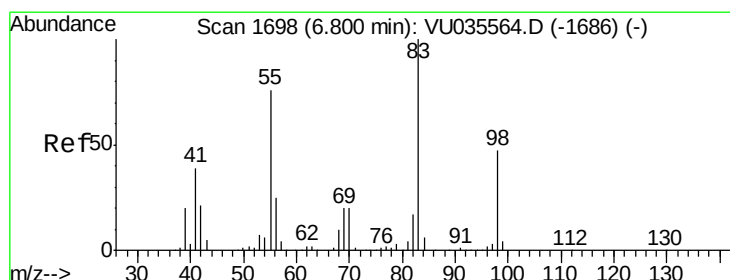
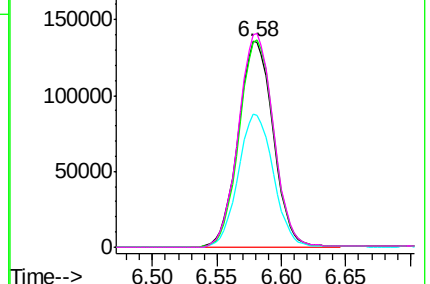
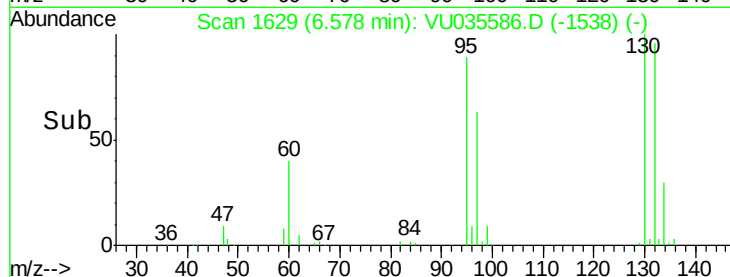


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 52.473 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

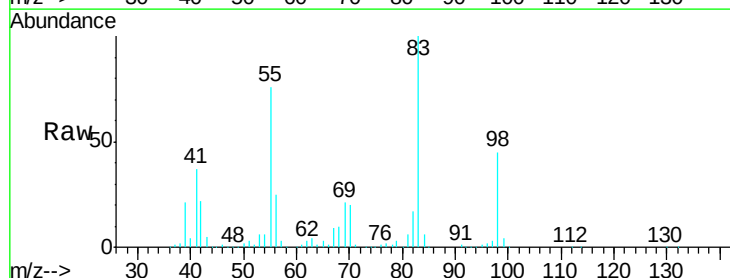
Tgt Ion: 83 Resp: 376326

Ion Ratio Lower Upper

83 100

55 76.1 61.0 91.4

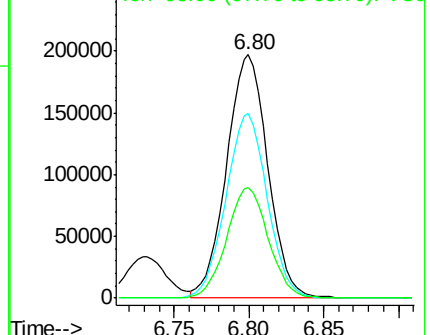
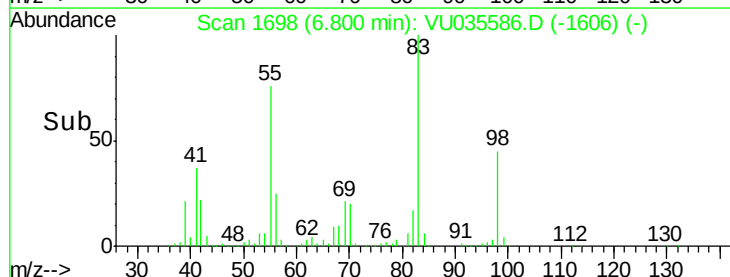
98 46.0 36.6 54.8

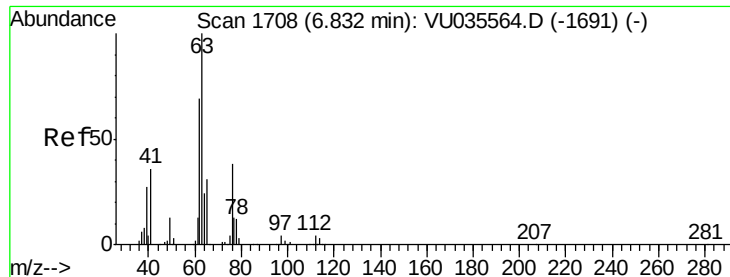


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

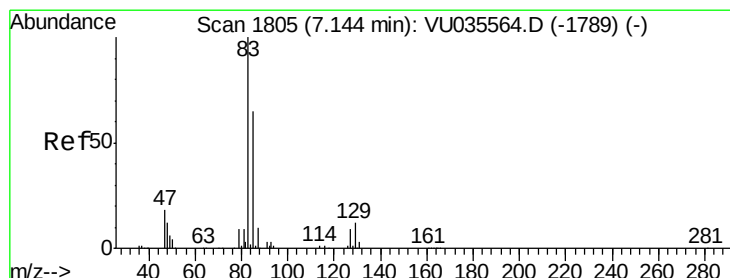
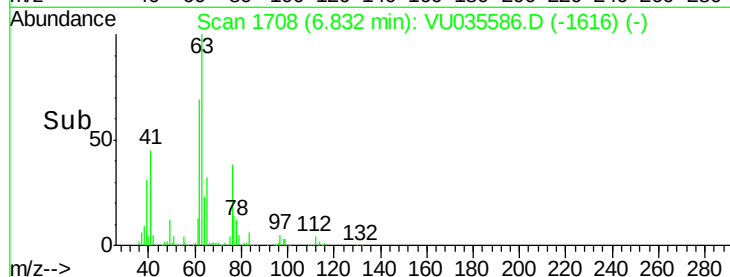
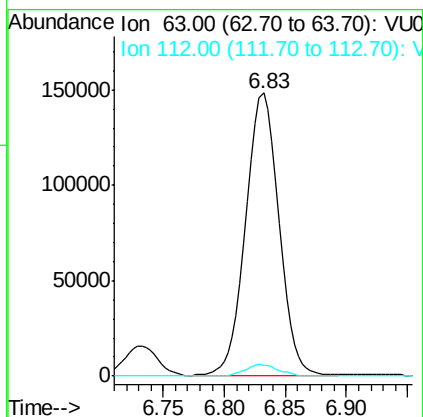
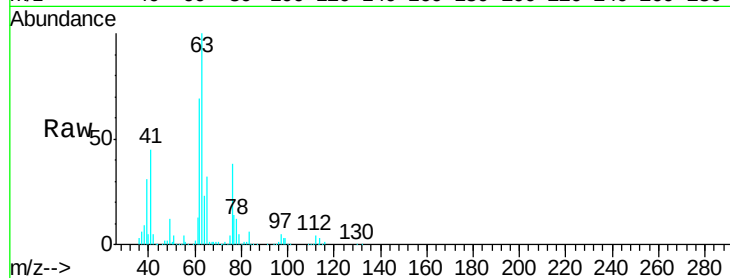




#37
 1,2-Dichloropropane
 Concen: 53.463 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU035586.D
 Acq: 31 Oct 2019 14:36

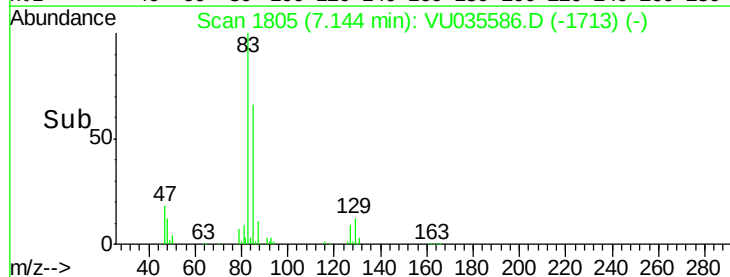
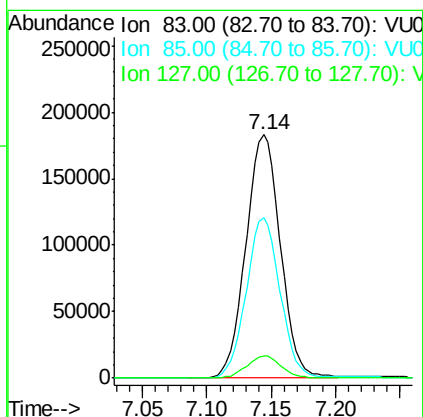
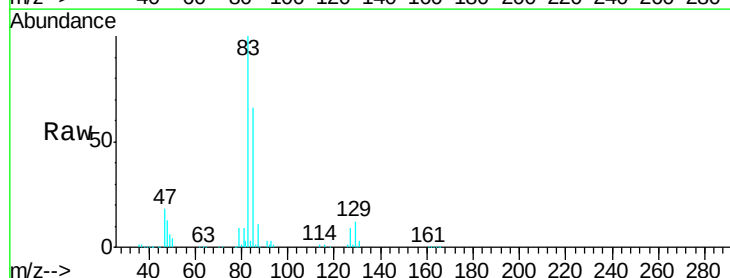
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

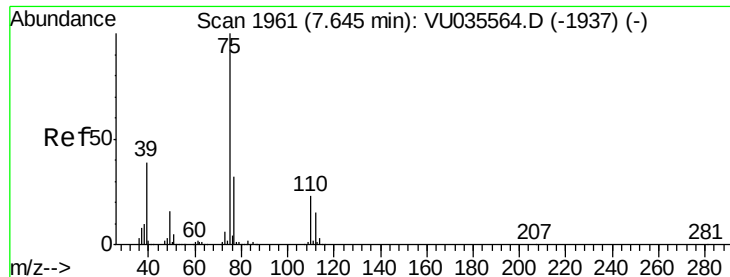
Tgt Ion: 63 Resp: 278095
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 51.661 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU035586.D
 Acq: 31 Oct 2019 14:36

Tgt Ion: 83 Resp: 341565
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.1 83.7
 127 8.9 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 54.927 ug/L

RT: 7.64 min Scan# 1960

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

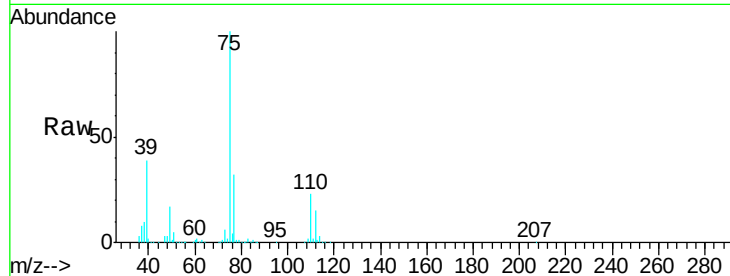
VSTD05050

Tgt Ion: 75 Resp: 424680

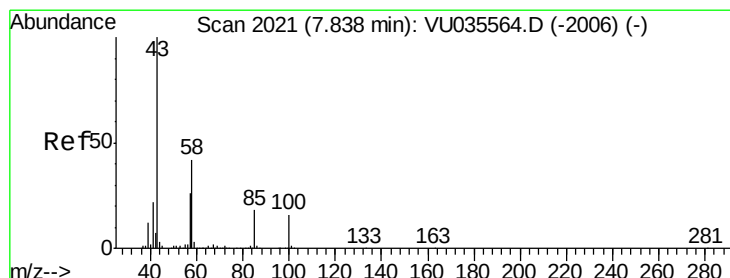
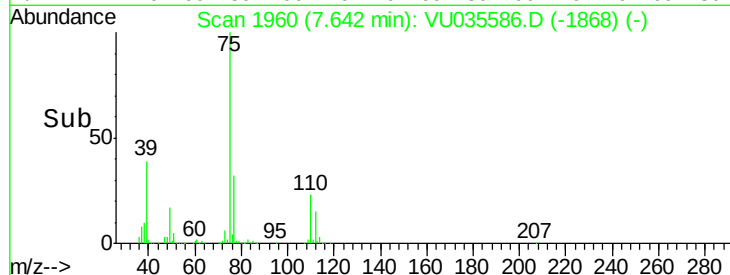
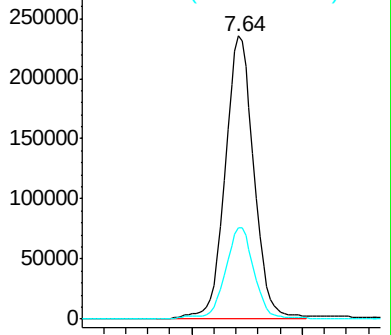
Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU035564.D (-1937) (-)



#40

4-Methyl-2-pentanone

Concen: 101.999 ug/L

RT: 7.84 min Scan# 2021

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

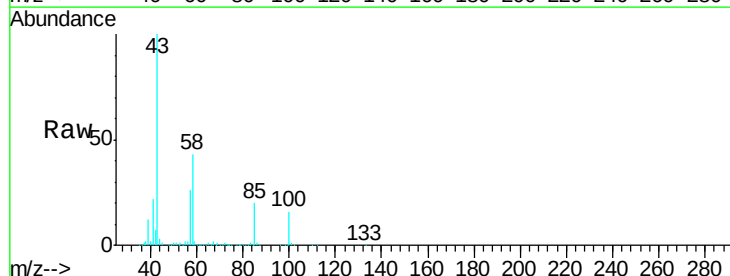
Tgt Ion: 43 Resp: 709798

Ion Ratio Lower Upper

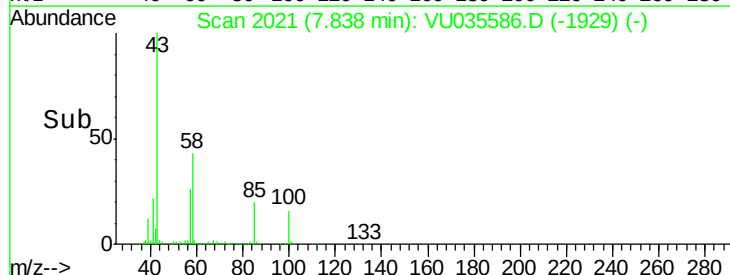
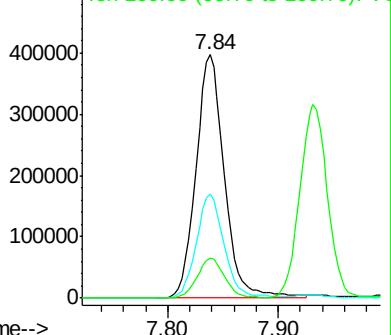
43 100

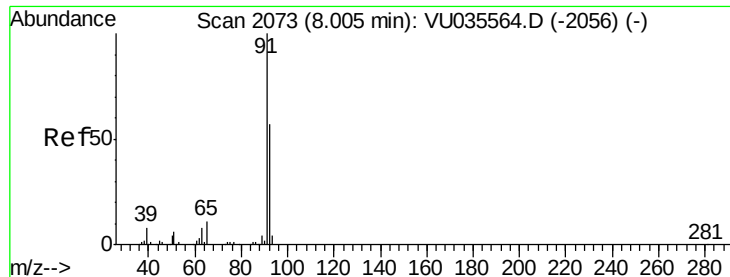
58 41.9 32.6 49.0

100 16.1 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VU035564.D (-2006) (-)





#42

Toluene

Concen: 54.752 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

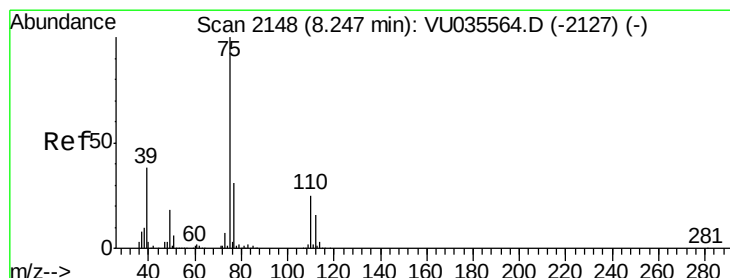
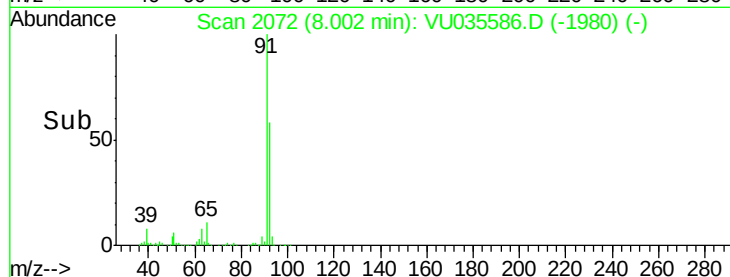
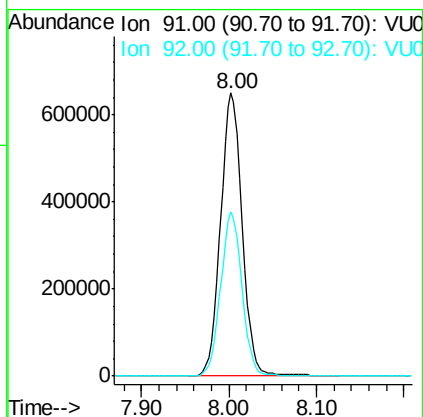
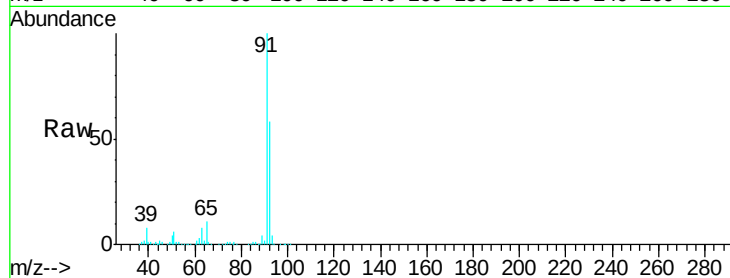
VSTD05050

Tgt Ion: 91 Resp: 1114649

Ion Ratio Lower Upper

91 100

92 58.0 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 54.671 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU035586.D

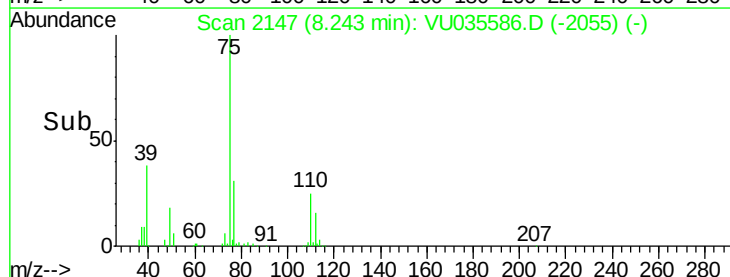
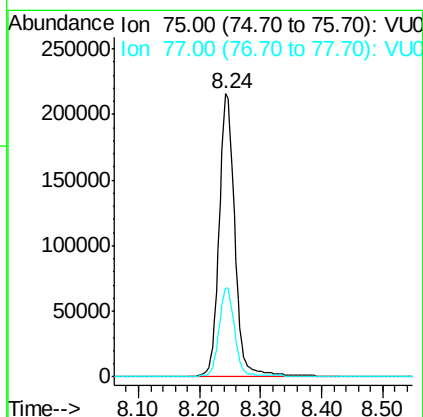
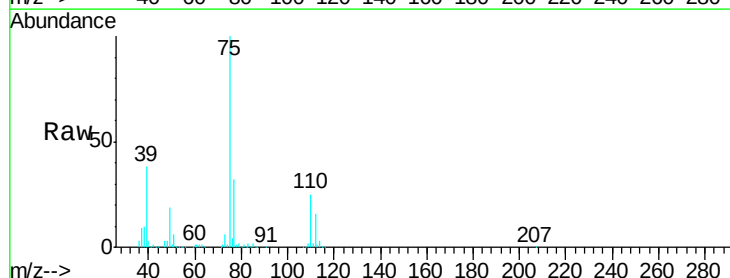
Acq: 31 Oct 2019 14:36

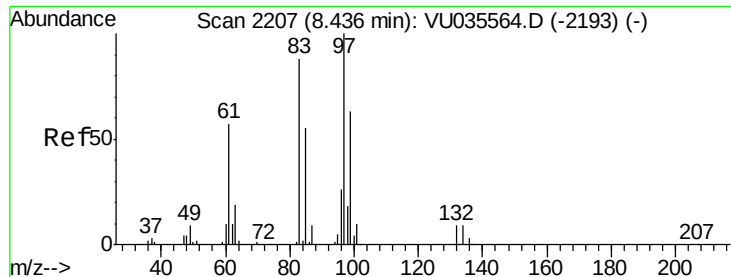
Tgt Ion: 75 Resp: 387465

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1

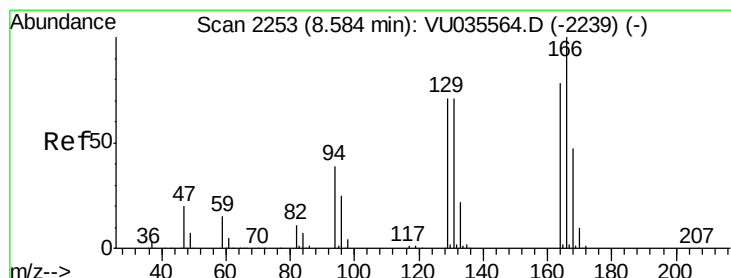
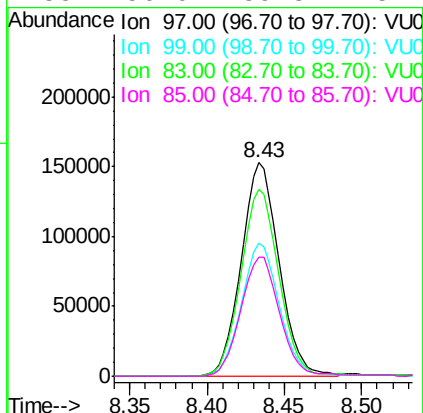
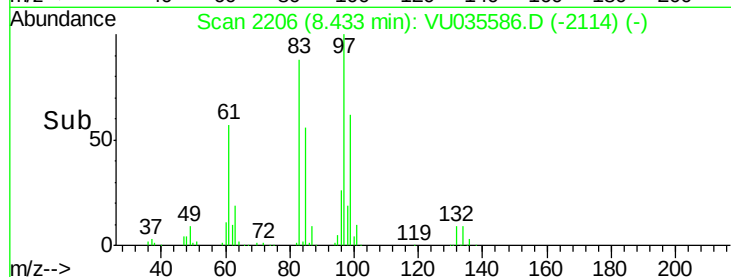
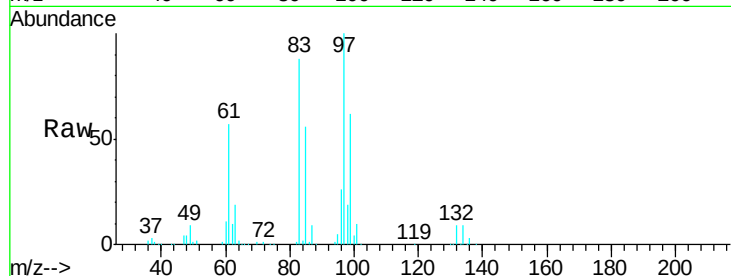




#45
 1,1,2-Trichloroethane
 Concen: 52.275 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU035586.D
 Acq: 31 Oct 2019 14:36

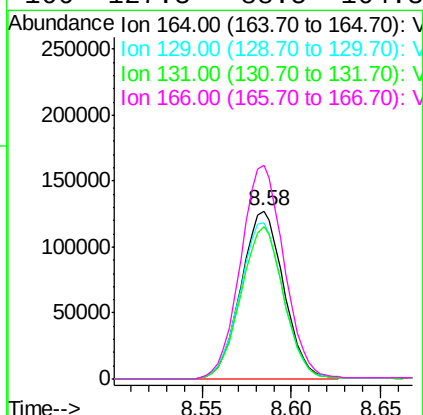
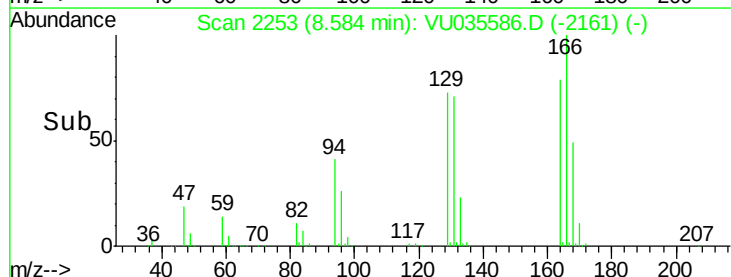
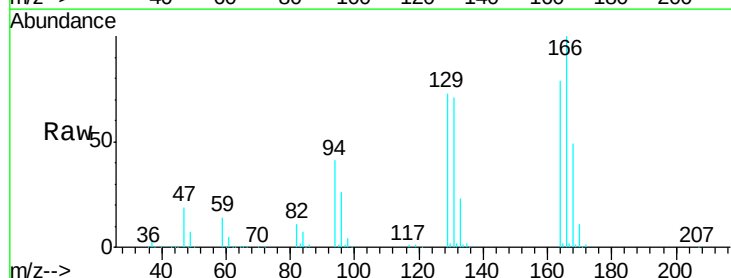
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

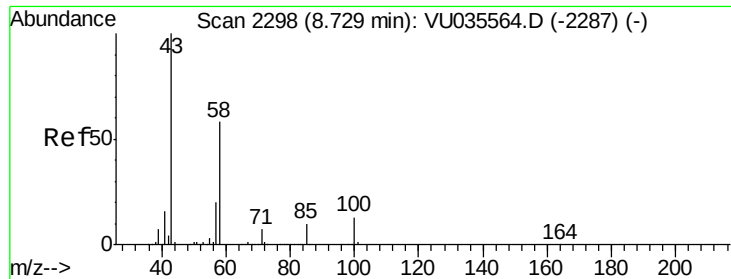
Tgt Ion:	97	Resp:	260633
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.2	82.2
83	87.6	61.5	114.3
85	56.0	39.3	73.1



#46
 Tetrachloroethene
 Concen: 51.776 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035586.D
 Acq: 31 Oct 2019 14:36

Tgt Ion:	164	Resp:	213788
Ion	Ratio	Lower	Upper
164	100		
129	93.0	64.1	119.1
131	90.6	63.1	117.1
166	127.3	88.5	164.3

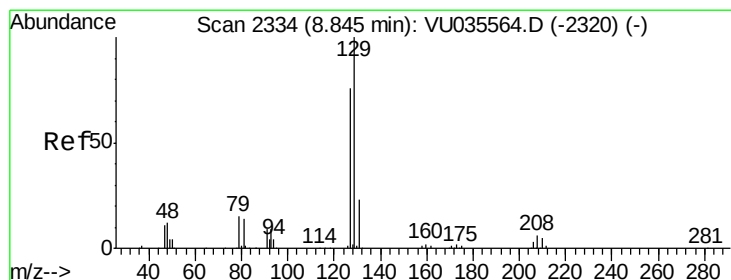
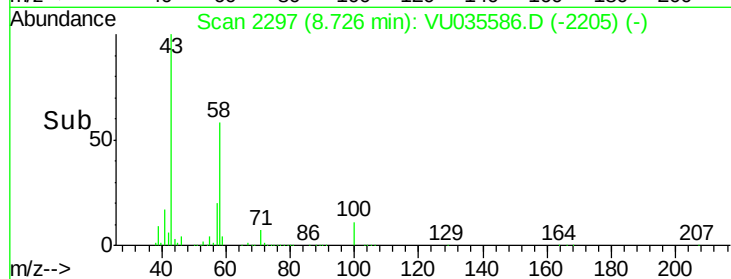
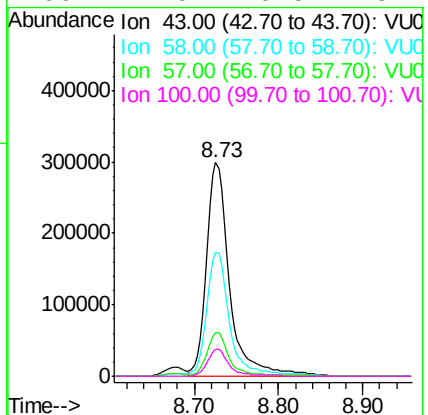
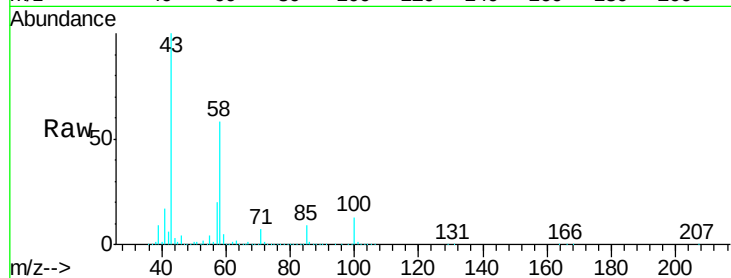




#48
2-Hexanone
Concen: 100.329 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU035586.D
Acq: 31 Oct 2019 14:36

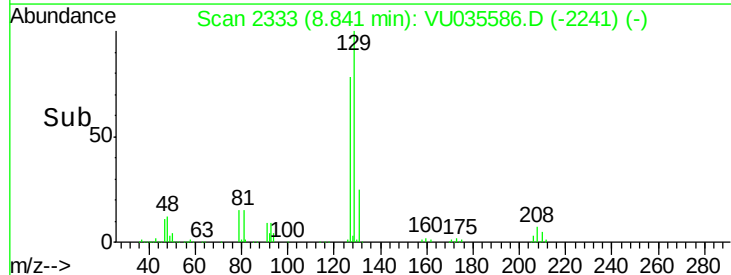
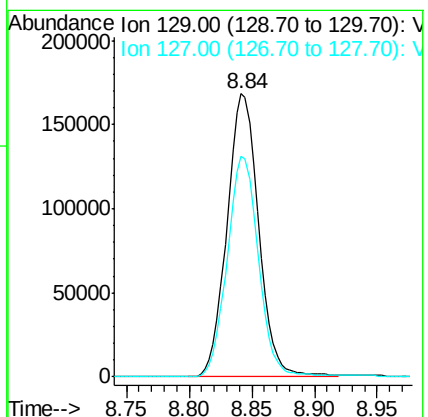
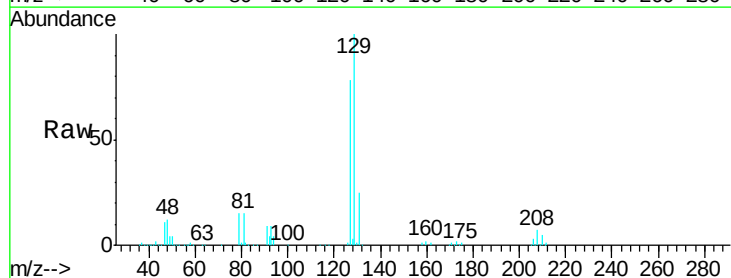
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

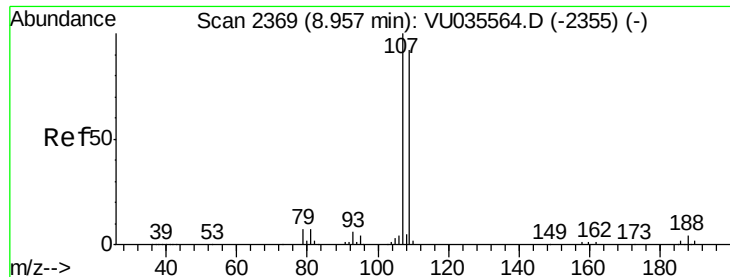
Tgt Ion: 43 Resp: 567759
Ion Ratio Lower Upper
43 100
58 58.6 50.4 75.6
57 18.9 17.4 26.0
100 12.0 10.5 15.7



#49
Dibromochloromethane
Concen: 52.610 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU035586.D
Acq: 31 Oct 2019 14:36

Tgt Ion: 129 Resp: 295798
Ion Ratio Lower Upper
129 100
127 78.1 54.9 101.9

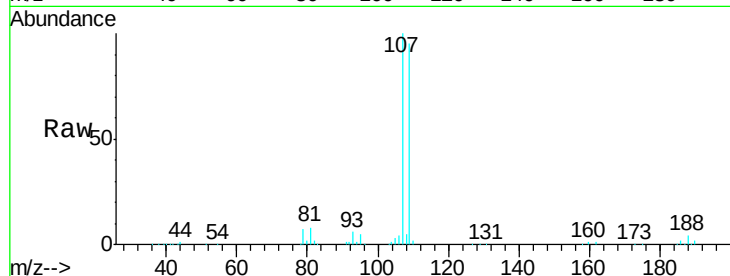




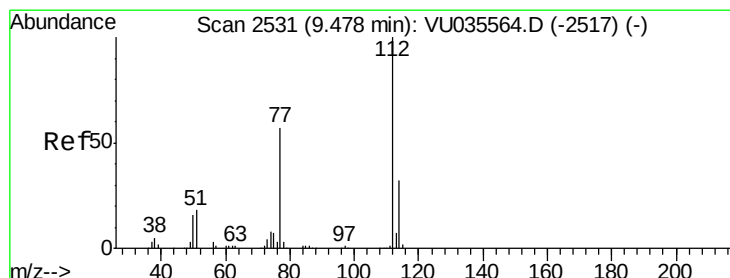
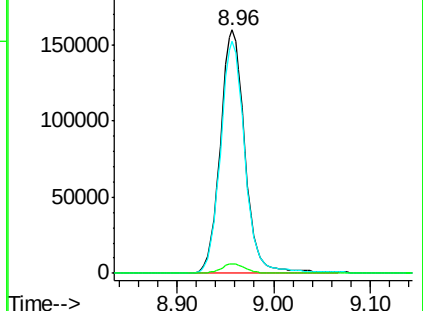
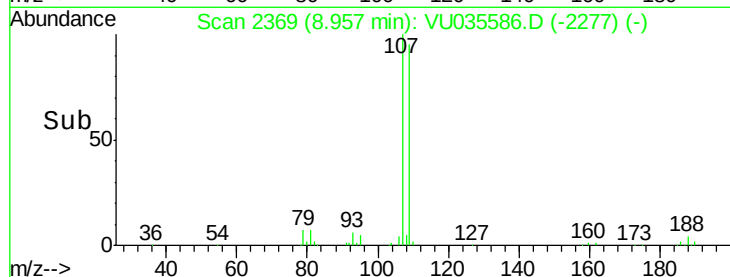
#50
1,2-Dibromoethane
Concen: 52.996 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU035586.D
Acq: 31 Oct 2019 14:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

Tgt Ion:107 Resp: 281910
Ion Ratio Lower Upper
107 100
109 95.3 66.8 124.2
188 4.0 3.2 4.8

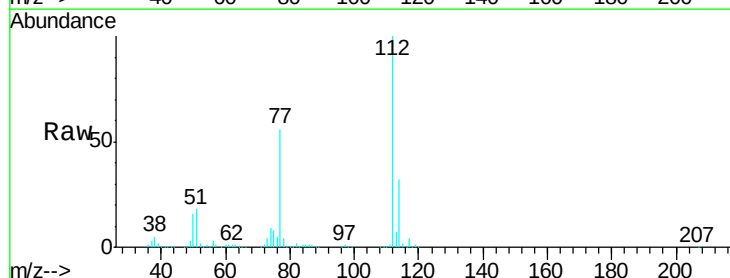


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

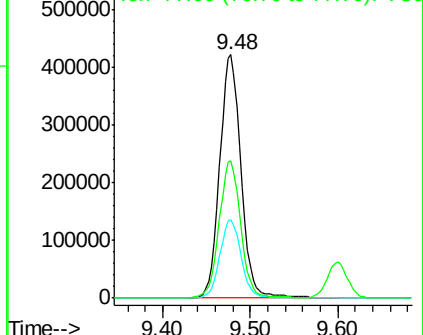
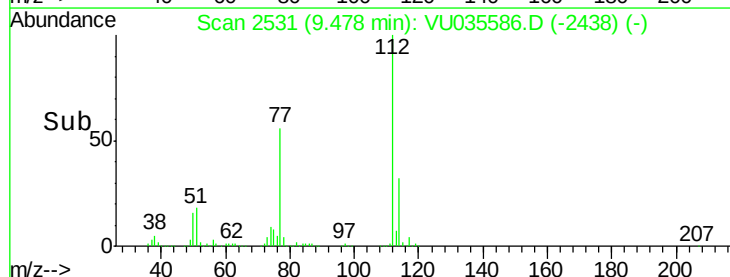


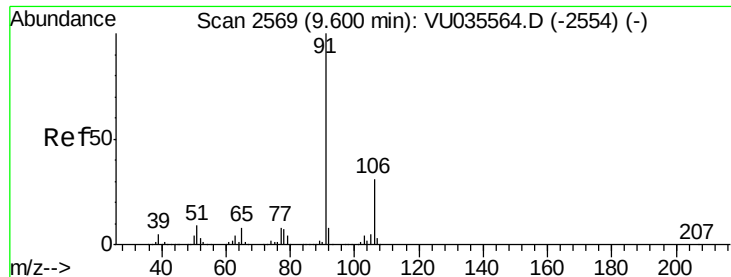
#51
Chlorobenzene
Concen: 52.463 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035586.D
Acq: 31 Oct 2019 14:36

Tgt Ion:112 Resp: 713013
Ion Ratio Lower Upper
112 100
114 32.4 22.7 42.3
77 56.4 45.9 68.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 53.643 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

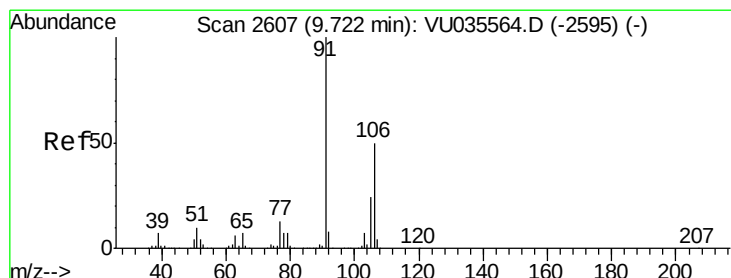
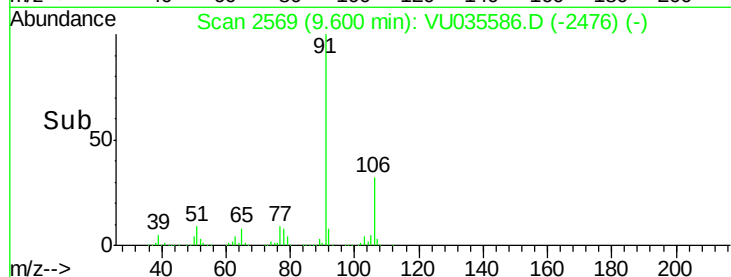
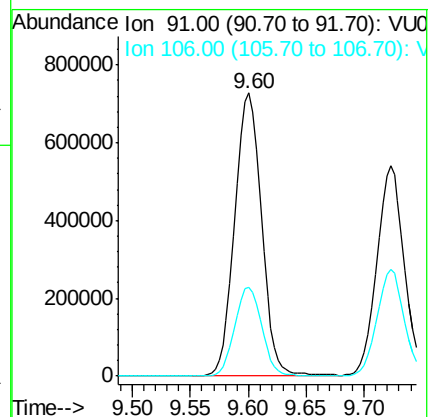
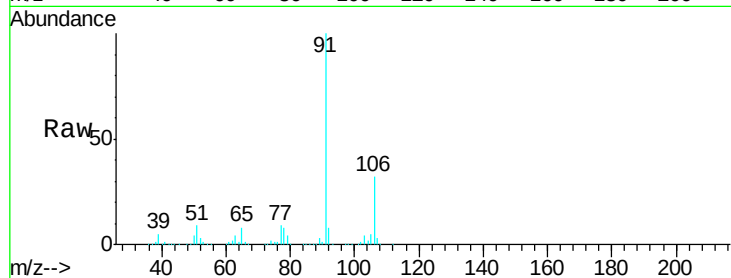
VSTD05050

Tgt Ion: 91 Resp: 1167476

Ion Ratio Lower Upper

91 100

106 31.6 21.6 40.0



#53

m,p-Xylene

Concen: 55.842 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035586.D

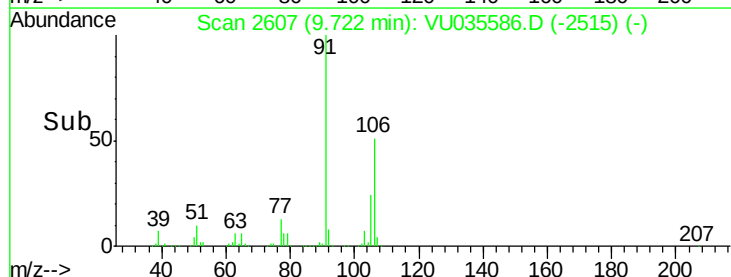
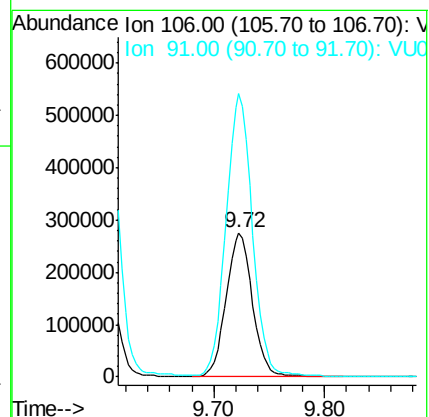
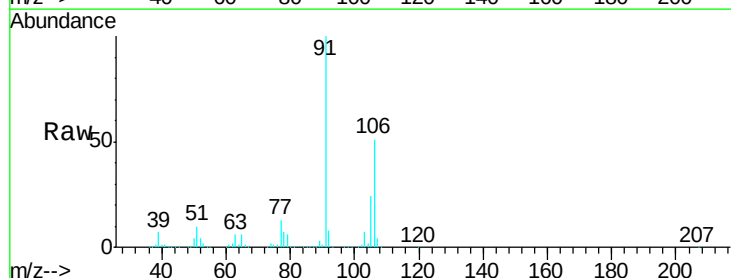
Acq: 31 Oct 2019 14:36

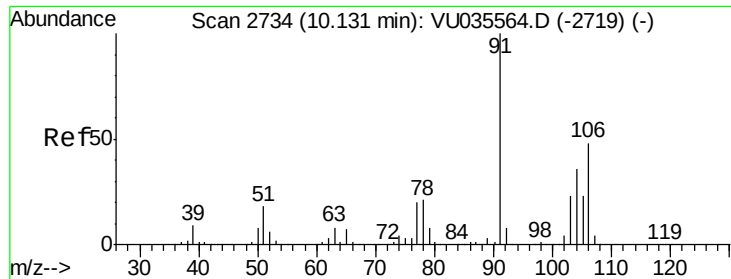
Tgt Ion: 106 Resp: 456046

Ion Ratio Lower Upper

106 100

91 196.3 142.7 264.9

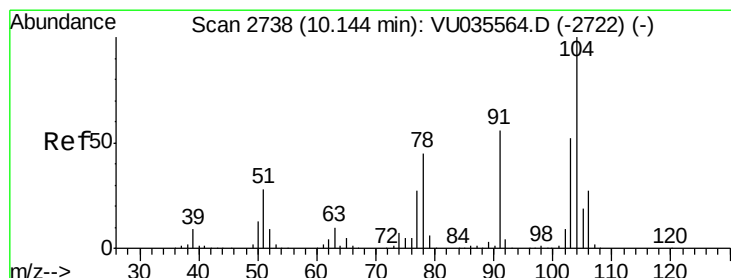
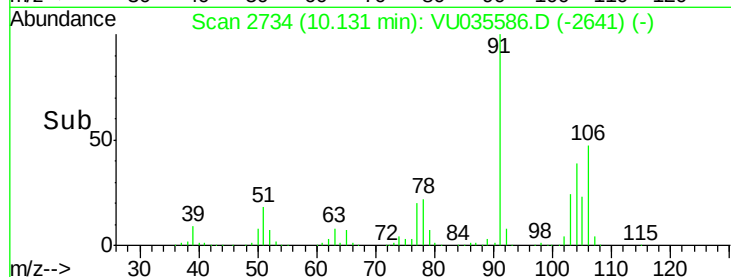
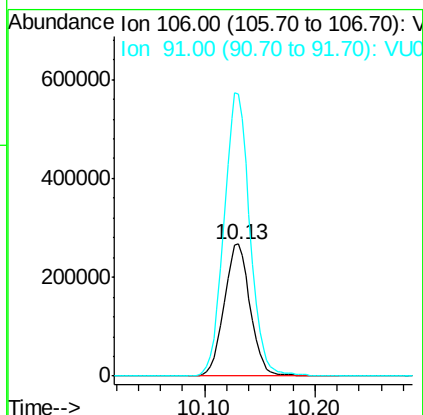
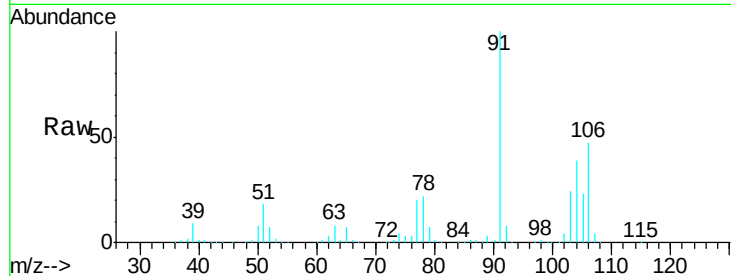




#54
o-xylene
Concen: 54.996 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035586.D
Acq: 31 Oct 2019 14:36

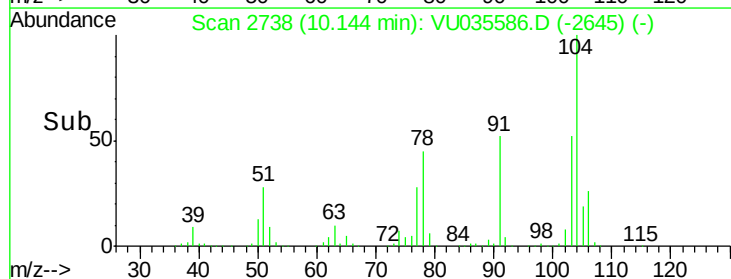
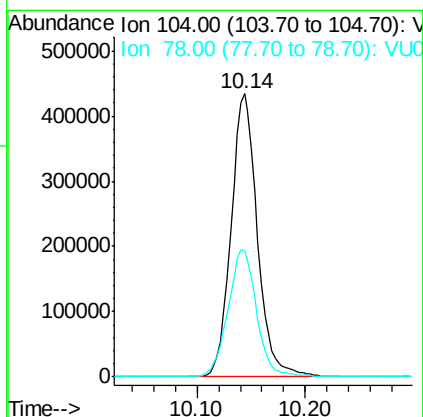
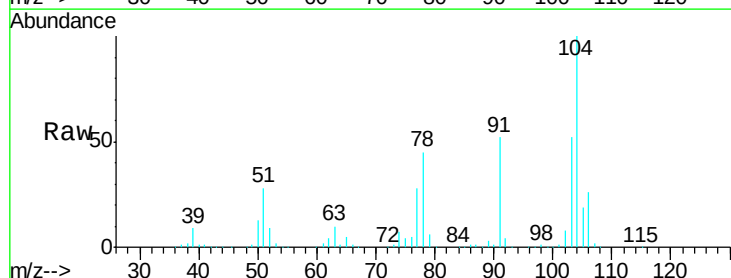
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

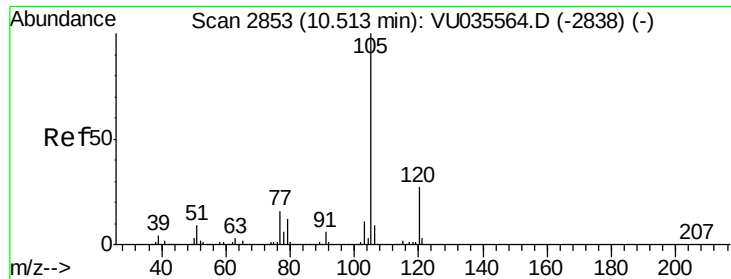
Tgt Ion:106 Resp: 438975
Ion Ratio Lower Upper
106 100
91 214.2 147.1 273.1



#55
Styrene
Concen: 55.762 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035586.D
Acq: 31 Oct 2019 14:36

Tgt Ion:104 Resp: 738664
Ion Ratio Lower Upper
104 100
78 44.7 31.4 58.4





#56

Isopropylbenzene

Concen: 55.241 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

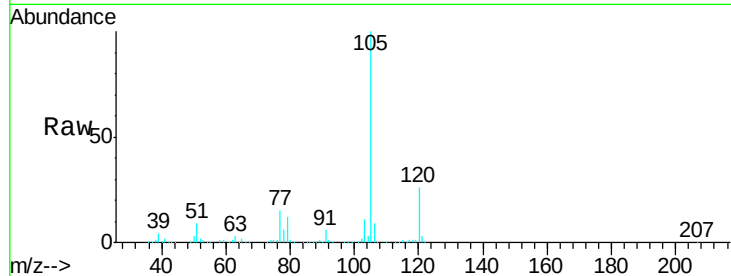
Tgt Ion:105 Resp: 1108043

Ion Ratio Lower Upper

105 100

120 26.7 21.1 31.7

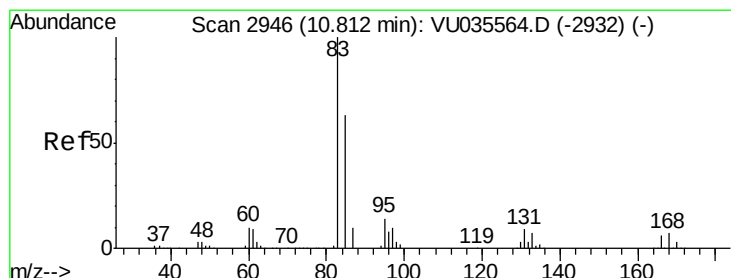
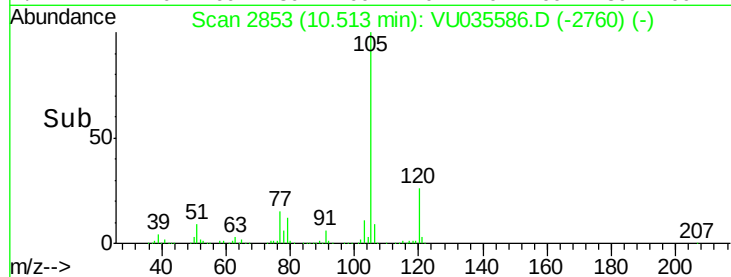
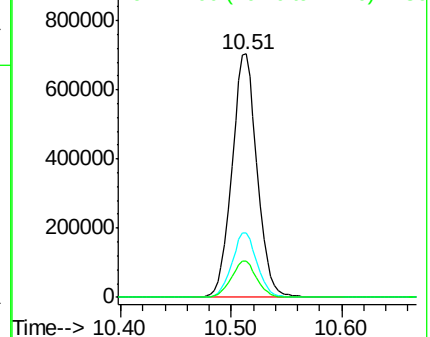
77 15.0 12.2 18.4



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: 51.428 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

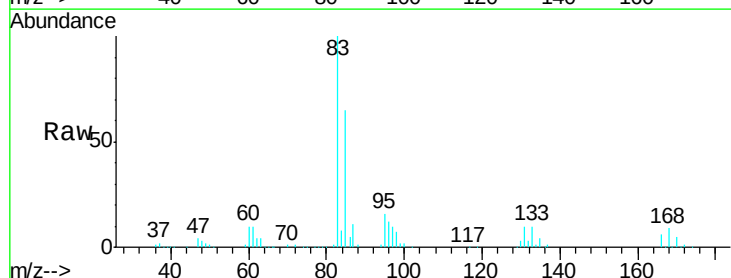
Tgt Ion: 83 Resp: 441658

Ion Ratio Lower Upper

83 100

85 65.2 44.6 82.8

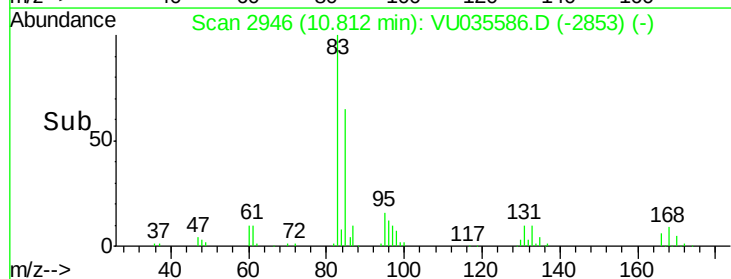
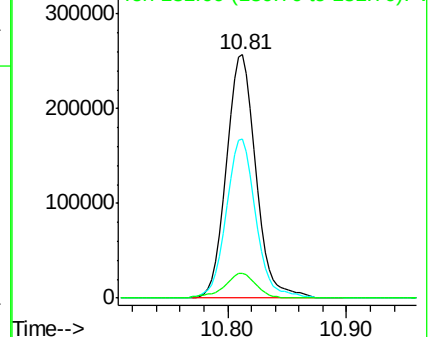
131 10.4 8.2 12.4

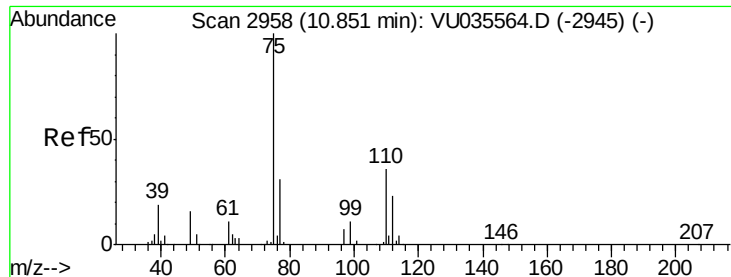


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.197 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

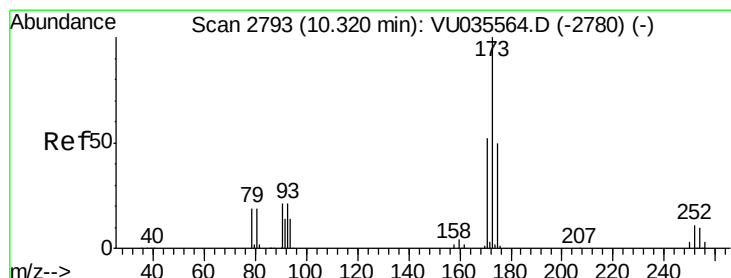
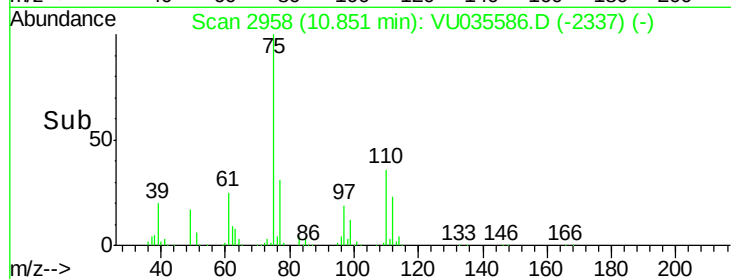
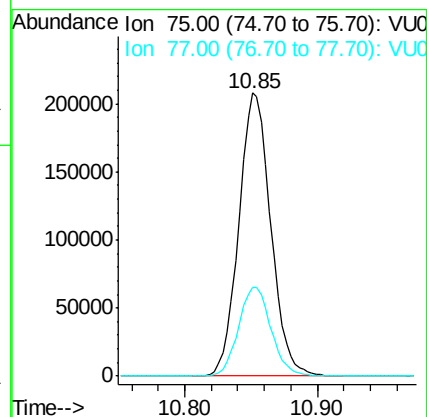
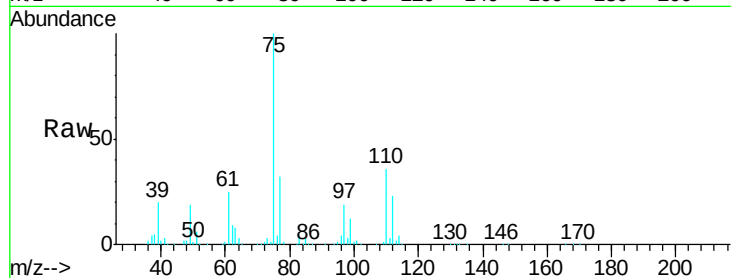
VSTD05050

Tgt Ion: 75 Resp: 347239

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#61

Bromoform

Concen: 47.073 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

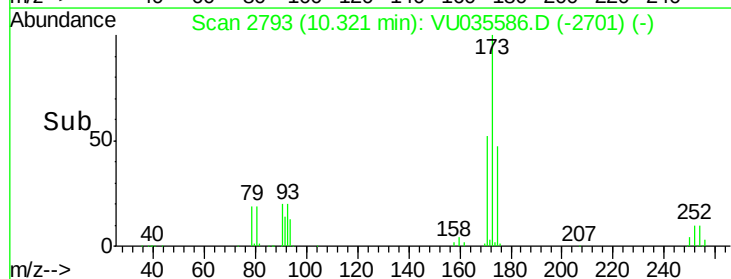
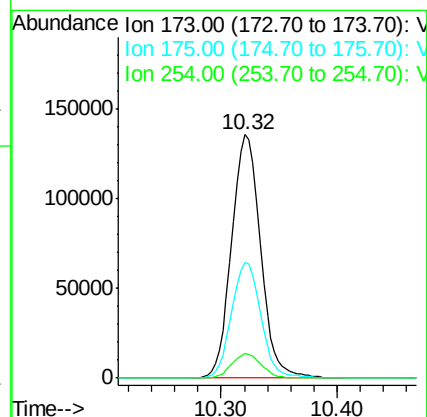
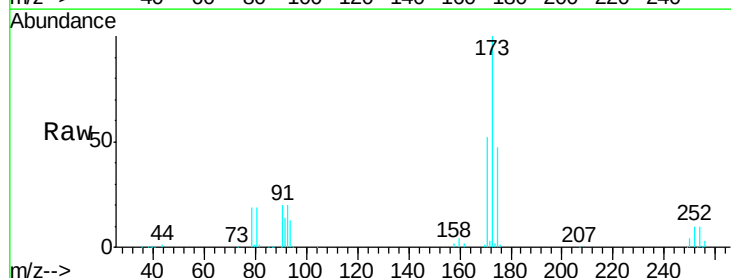
Tgt Ion: 173 Resp: 233662

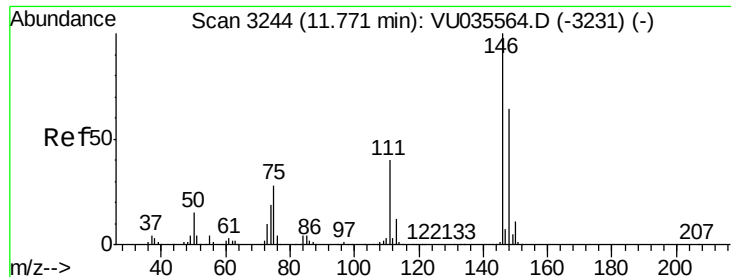
Ion Ratio Lower Upper

173 100

175 48.1 39.4 59.0

254 10.2 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 49.500 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

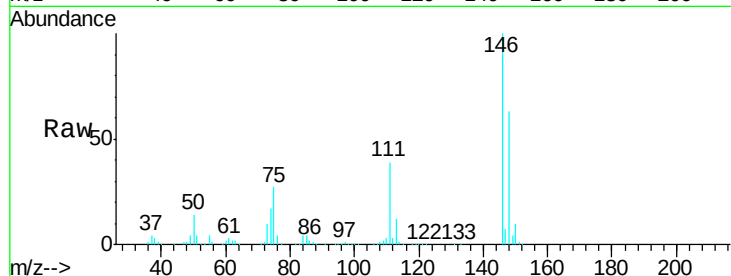
Tgt Ion:146 Resp: 508084

Ion Ratio Lower Upper

146 100

111 38.9 27.8 51.6

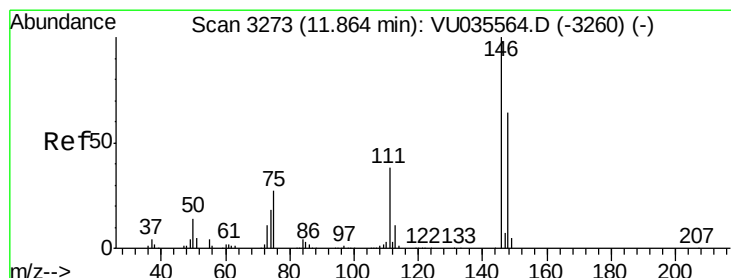
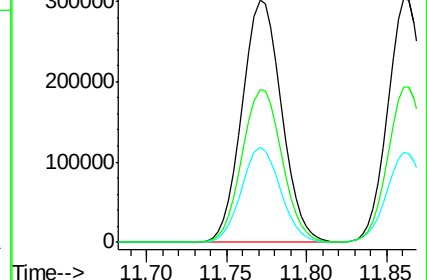
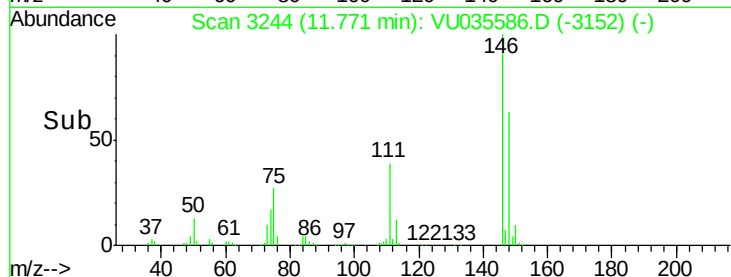
148 62.9 44.5 82.7



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: 48.252 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

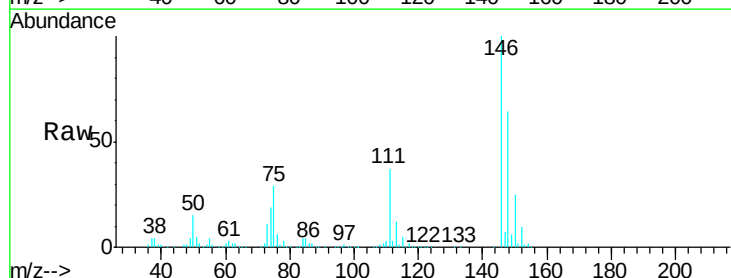
Tgt Ion:146 Resp: 503147

Ion Ratio Lower Upper

146 100

111 36.8 26.5 49.1

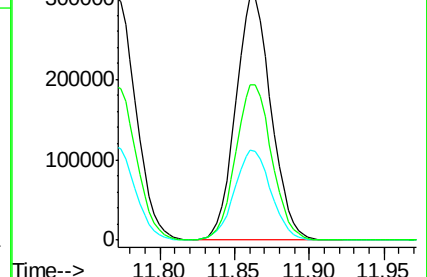
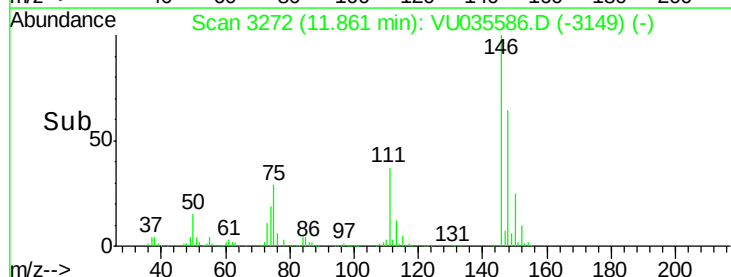
148 63.6 44.4 82.5

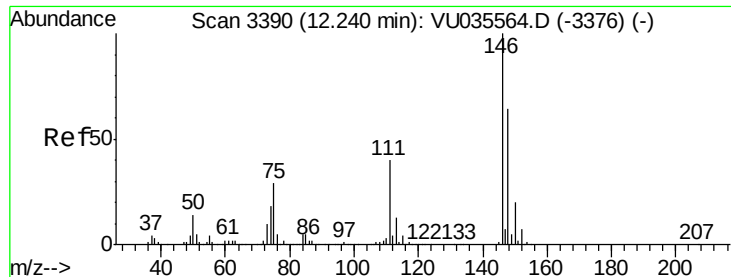


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

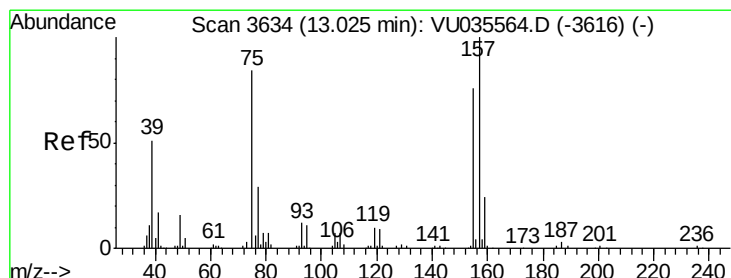
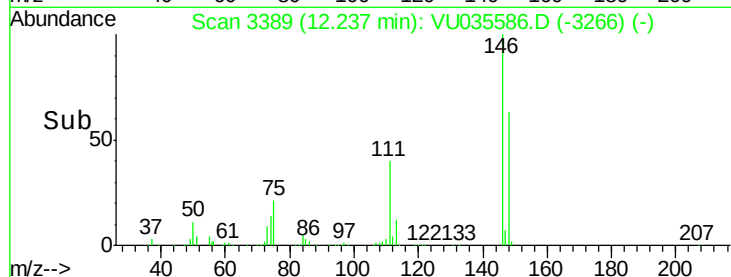
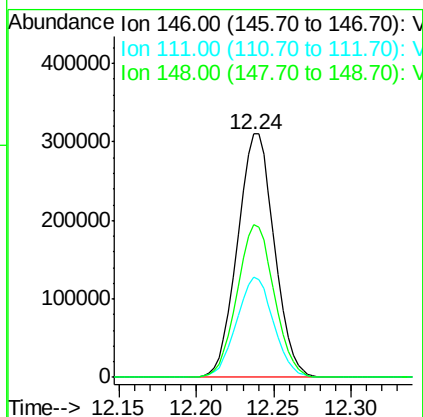
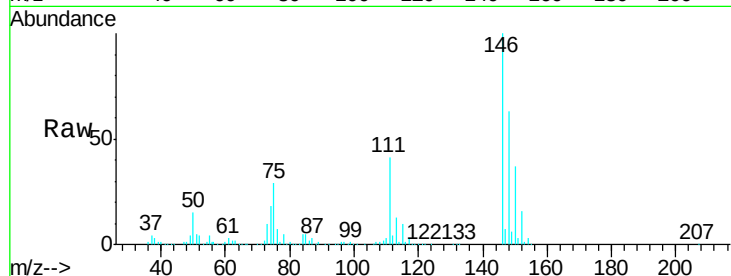




#65
 1,2-Dichlorobenzene
 Concen: 49.203 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035586.D
 Acq: 31 Oct 2019 14:36

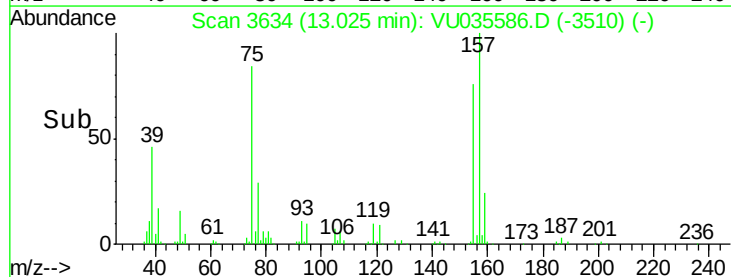
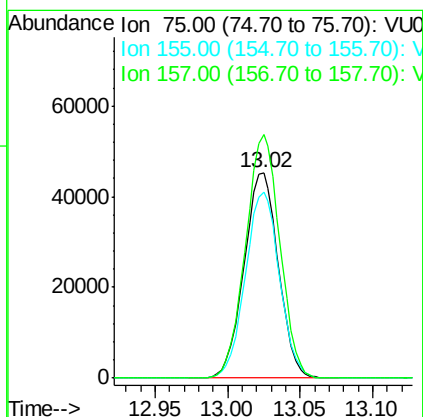
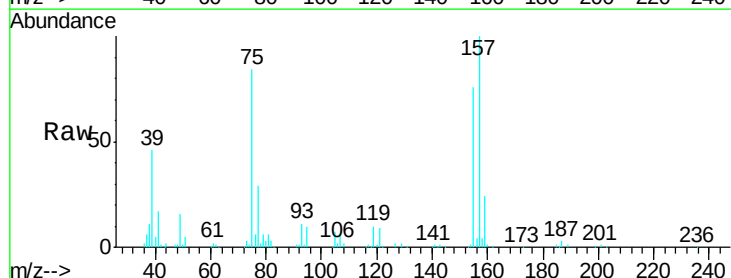
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

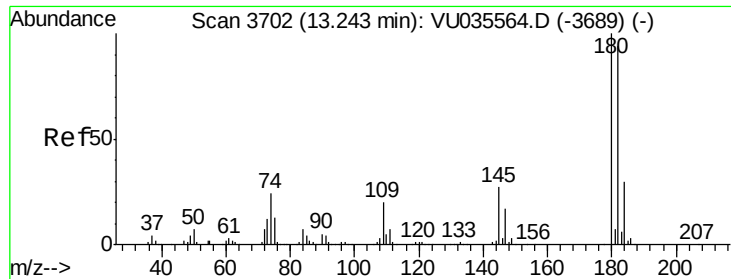
Tgt Ion: 146 Resp: 514164
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.4 48.6
 148 62.7 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.015 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. -0.00 min
 Lab File: VU035586.D
 Acq: 31 Oct 2019 14:36

Tgt Ion: 75 Resp: 74553
 Ion Ratio Lower Upper
 75 100
 155 90.4 72.2 108.4
 157 118.5 92.1 138.1

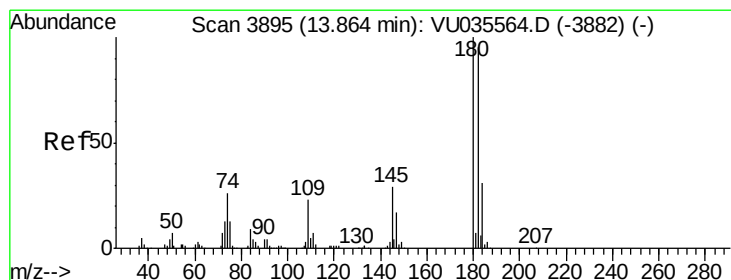
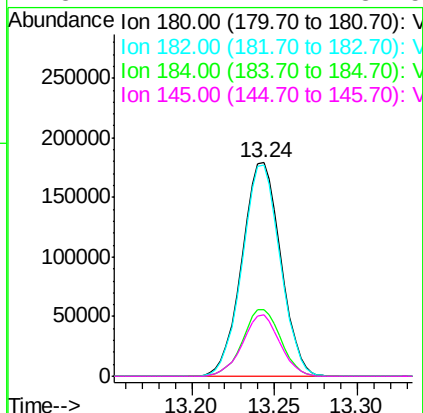
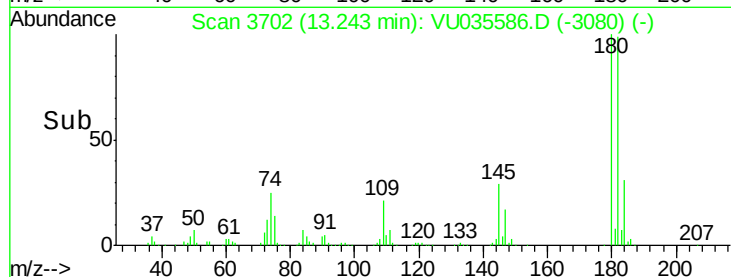
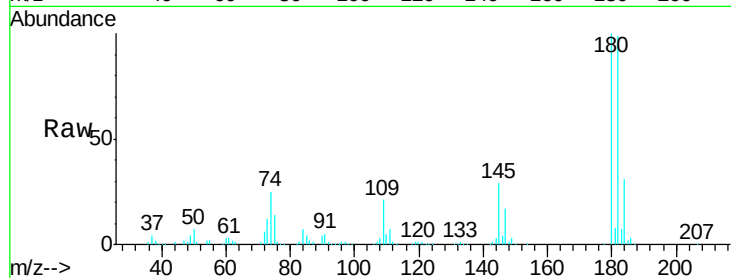




#67
 1,3,5-Trichlorobenzene
 Concen: 49.029 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035586.D
 Acq: 31 Oct 2019 14:36

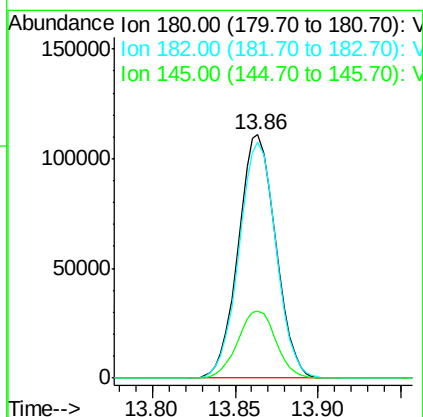
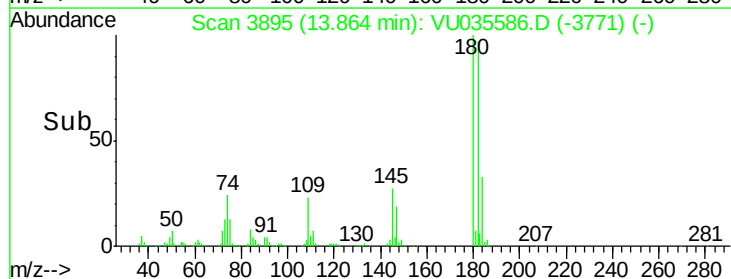
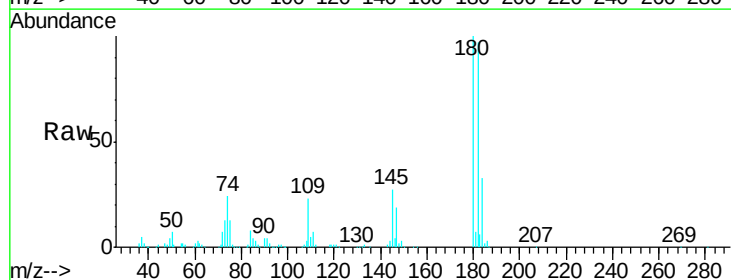
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

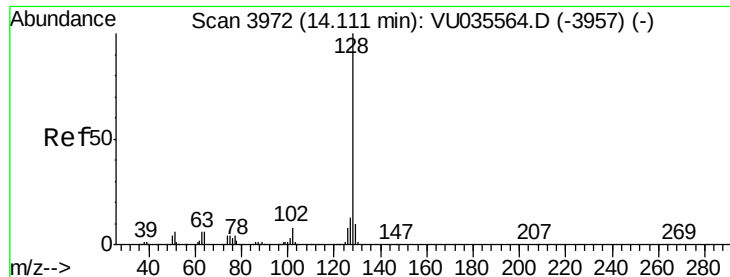
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.0	115.4
184	30.8	24.6	36.8
145	27.4	21.7	32.5



#68
 1,2,4-trichlorobenzene
 Concen: 43.756 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035586.D
 Acq: 31 Oct 2019 14:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
145	28.2	21.9	32.9





#69

Naphthalene

Concen: 37.709 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

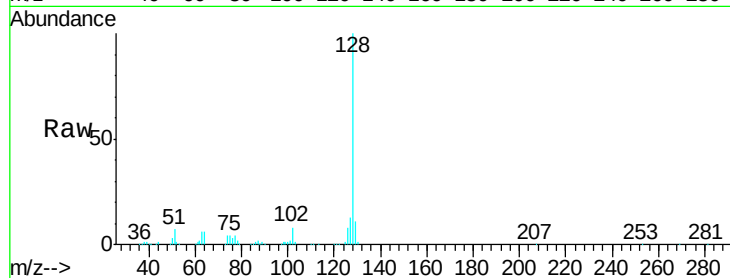
Tgt Ion:128 Resp: 384210

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

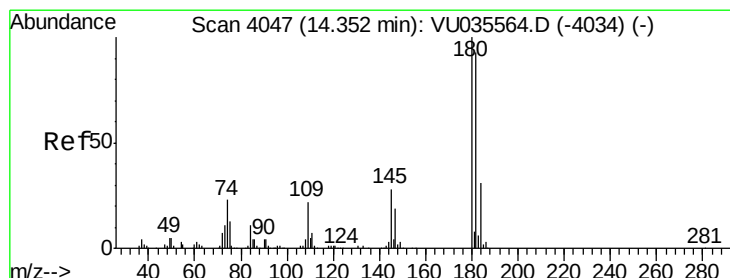
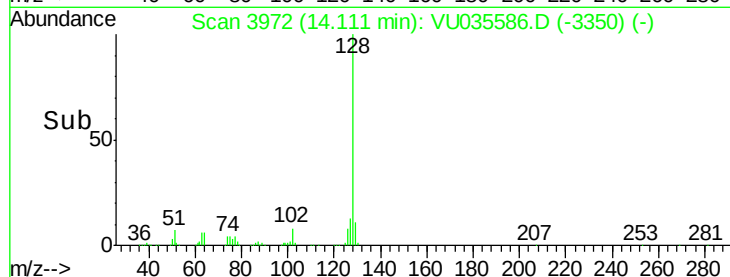
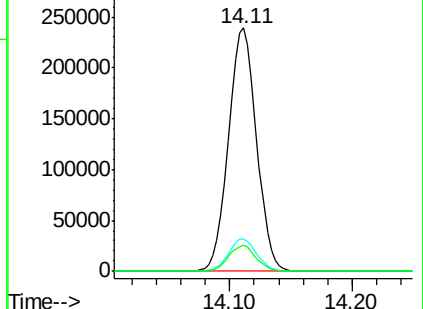
129 10.6 8.5 12.7



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: 42.981 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035586.D

Acq: 31 Oct 2019 14:36

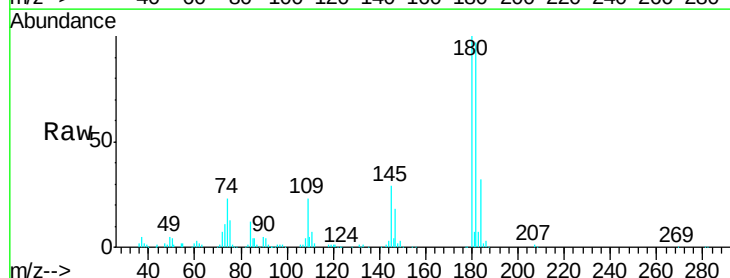
Tgt Ion:180 Resp: 183957

Ion Ratio Lower Upper

180 100

182 96.1 77.6 116.4

145 29.4 23.4 35.0



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

