

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080319\
 Data File : VU033582.D
 Acq On : 03 Aug 2019 10:56
 Operator : JC/SP
 Sample : VSTD01036
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01036

Quant Time: Aug 05 05:29:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 05 05:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	283087	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	279177	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	141711	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	21693	10.66	ug/L	0.00
7) Chloroethane-d5	1.67	69	20052	11.35	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	40389	10.82	ug/L	0.00
21) 2-Butanone-d5	4.17	46	31508	22.57	ug/L	0.01
24) Chloroform-d	4.62	84	39939	11.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	25486	11.58	ug/L	0.00
32) Benzene-d6	5.32	84	75755	10.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	24482	11.22	ug/L	0.00
41) Toluene-d8	7.55	98	69170	10.60	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	11354	10.46	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	20898	20.05	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	37873	11.18	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	28419	10.87	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	28814	10.984 ug/L	98
3) Chloromethane	1.32	50	30621	11.547 ug/L	100
5) Vinyl chloride	1.40	62	31341	11.008 ug/L	99
6) Bromomethane	1.62	94	21630	8.559 ug/L	100
8) Chloroethane	1.69	64	20365	11.768 ug/L	100
9) Trichlorofluoromethane	1.87	101	42417	11.361 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	21602	11.372 ug/L	98
12) 1,1-Dichloroethene	2.27	96	20360	11.251 ug/L	93
13) Acetone	2.32	43	37101	26.575 ug/L	100
14) Carbon disulfide	2.46	76	58913	10.459 ug/L	99
15) Methyl Acetate	2.60	43	27094	12.117 ug/L	96
16) Methylene chloride	2.68	84	24072	11.568 ug/L	99
17) trans-1,2-Dichloroethene	2.97	96	21014	11.068 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	63892	10.963 ug/L	99
19) 1,1-Dichloroethane	3.42	63	40899	11.400 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	22613	10.534 ug/L	97
22) 2-Butanone	4.25	43	37330	22.340 ug/L	96
23) Bromochloromethane	4.52	128	12497	11.250 ug/L	97
25) Chloroform	4.65	83	43482	11.541 ug/L	98
27) 1,2-Dichloroethane	5.38	62	32477	11.161 ug/L	100
29) Cyclohexane	4.97	56	30835	10.253 ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	35733	11.205 ug/L	98
31) Carbon tetrachloride	5.11	117	30370	10.909 ug/L	99
33) Benzene	5.37	78	86952	10.886 ug/L	100
34) Trichloroethene	6.17	95	23151	11.001 ug/L	98
35) Methylcyclohexane	6.40	83	31317	9.556 ug/L	95
37) 1,2-Dichloropropane	6.41	63	24863	11.525 ug/L	98
38) Bromodichloromethane	6.74	83	31252	11.253 ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	33784	10.099 ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	65785	21.969 ug/L	97

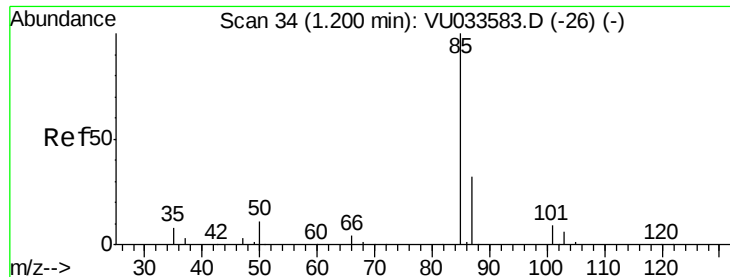
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	91714	10.699	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	31414	10.430	ug/L	95
45) 1,1,2-Trichloroethane	8.05	97	23036	11.301	ug/L	99
46) Tetrachloroethene	8.21	164	18226	10.654	ug/L	97
48) 2-Hexanone	8.35	43	53472	22.176	ug/L	98
49) Dibromochloromethane	8.46	129	25647	11.079	ug/L	99
50) 1,2-Dibromoethane	8.57	107	24826	11.061	ug/L	95
51) Chlorobenzene	9.10	112	62259	11.100	ug/L	99
52) Ethylbenzene	9.23	91	93371	10.115	ug/L	99
53) m,p-Xylene	9.36	106	35600	10.019	ug/L	96
54) o-xylene	9.76	106	34382	10.032	ug/L	93
55) Styrene	9.78	104	57614	9.890	ug/L	97
56) Isopropylbenzene	10.15	105	88822	9.896	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	41556	11.282	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	32128	11.284	ug/L	98
61) Bromoform	9.94	173	19415	11.428	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	47594	11.038	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	50470	11.248	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	47538	10.901	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	9558	11.688	ug/L	92
67) 1,3,5-Trichlorobenzene	12.87	180	35586	10.277	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	27032	9.156	ug/L	94
69) Naphthalene	13.73	128	74692	8.799	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	29874	9.625	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 10.984 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

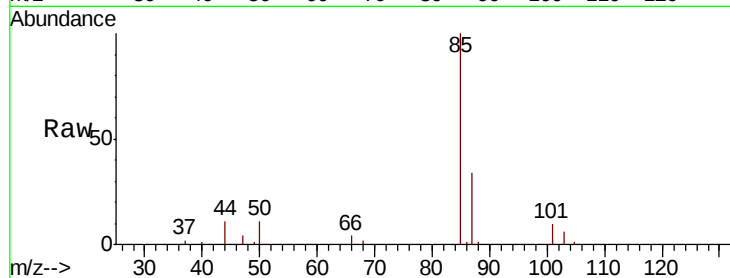
VSTD01036

Tgt Ion: 85 Resp: 28814

Ion Ratio Lower Upper

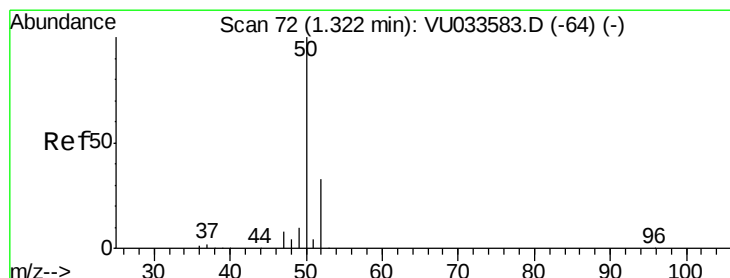
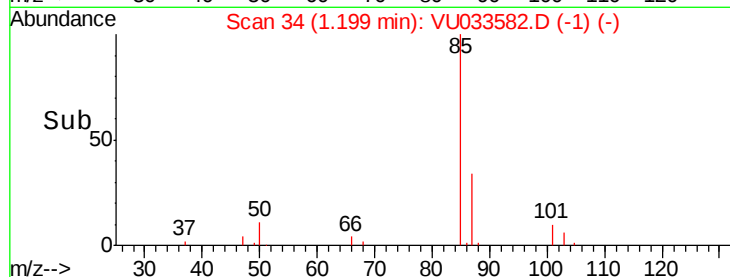
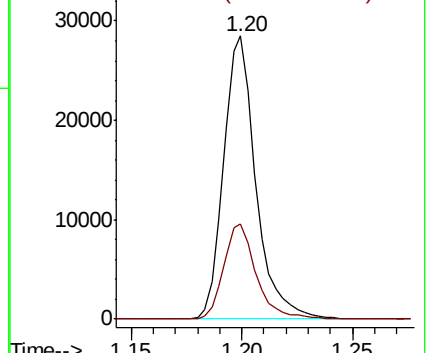
85 100

87 33.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU033583.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033583.D (-26) (-)



#3

Chloromethane

Concen: 11.547 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033582.D

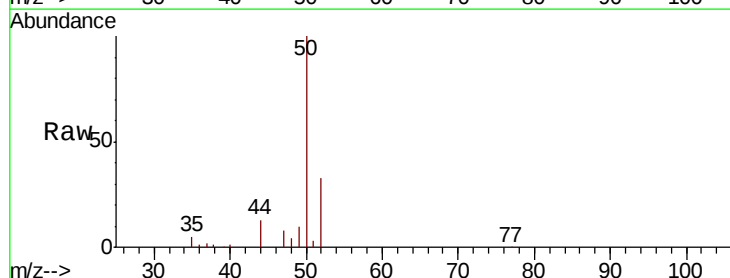
Acq: 03 Aug 2019 10:56

Tgt Ion: 50 Resp: 30621

Ion Ratio Lower Upper

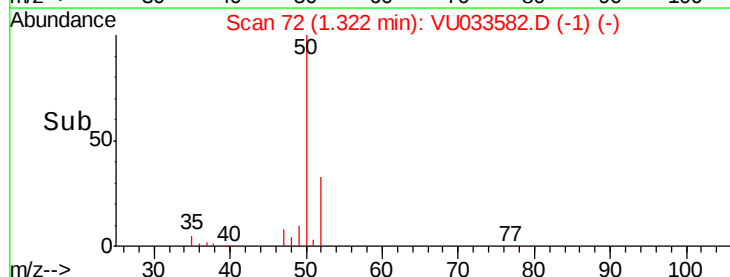
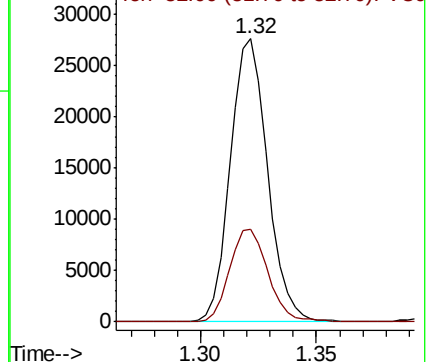
50 100

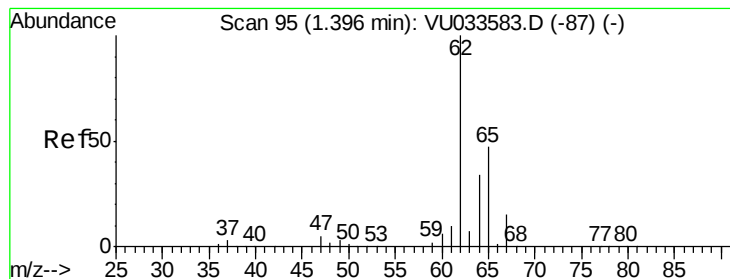
52 32.8 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU033583.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033583.D (-64) (-)





#5

Vinyl chloride

Concen: 11.008 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

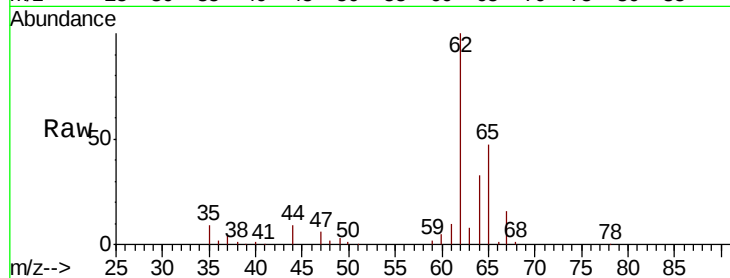
VSTD01036

Tgt Ion: 62 Resp: 31341

Ion Ratio Lower Upper

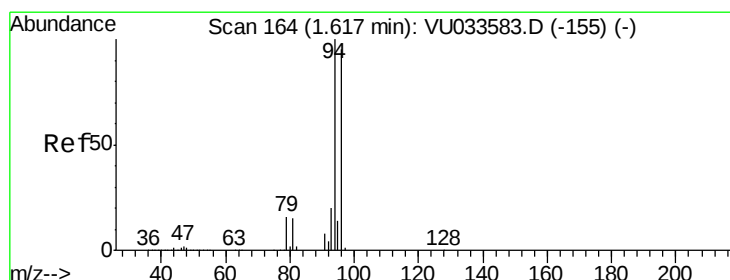
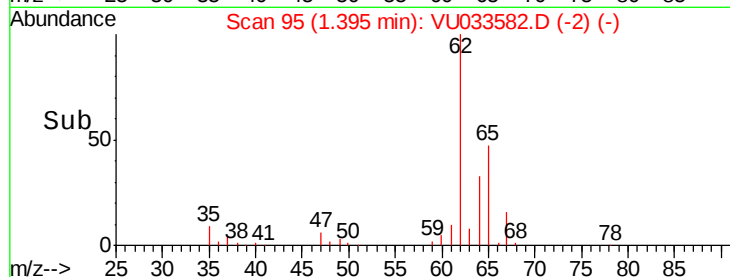
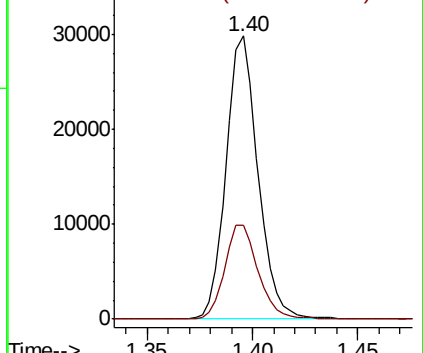
62 100

64 33.3 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU033582.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033582.D (-87) (-)



#6

Bromomethane

Concen: 8.559 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033582.D

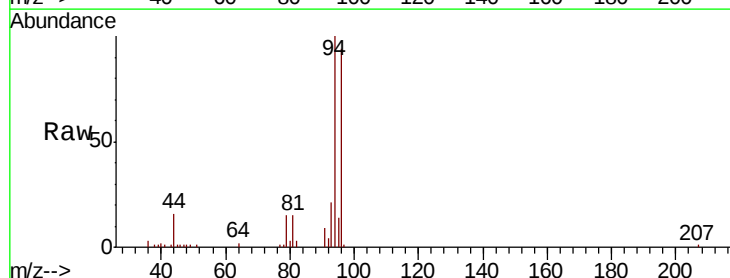
Acq: 03 Aug 2019 10:56

Tgt Ion: 94 Resp: 21630

Ion Ratio Lower Upper

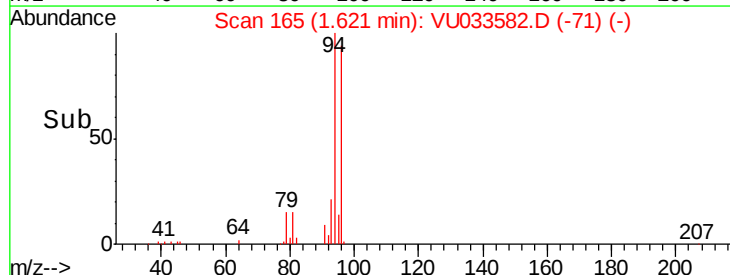
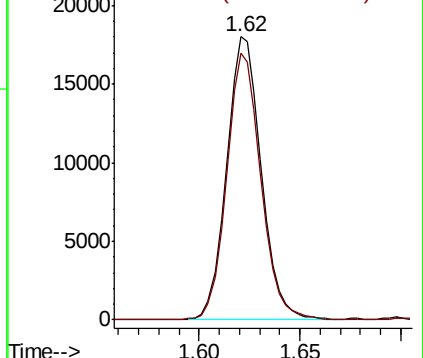
94 100

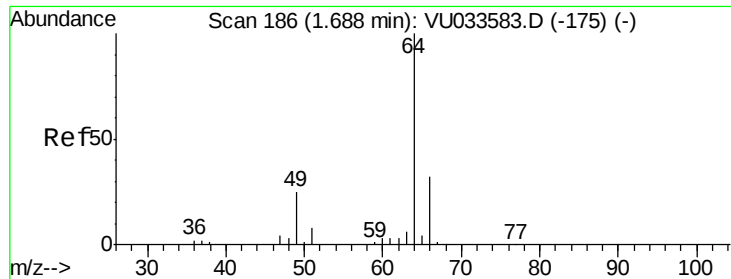
96 94.2 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU033582.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU033582.D (-155) (-)

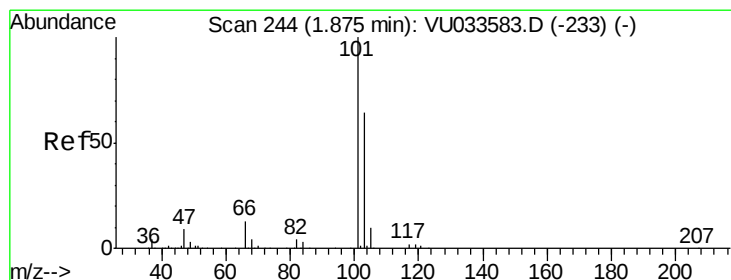
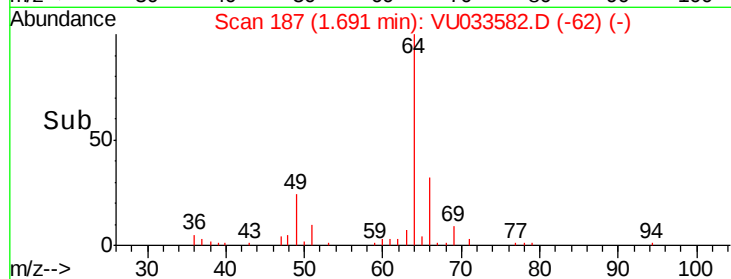
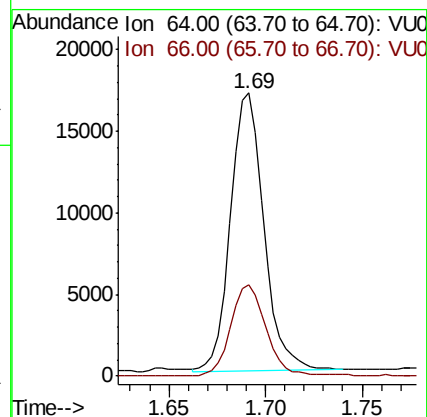
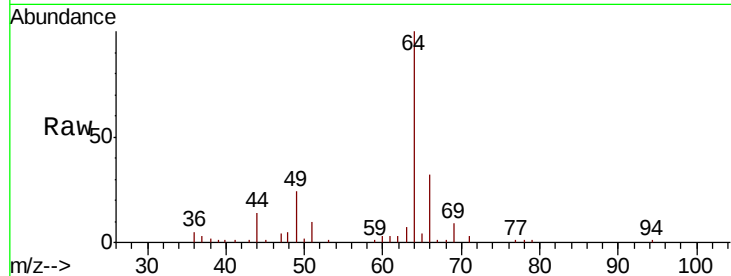




#8
 Chloroethane
 Concen: 11.768 ug/L
 RT: 1.69 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VU033582.D
 Acq: 03 Aug 2019 10:56

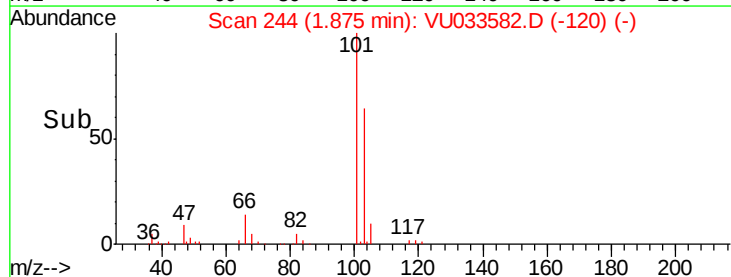
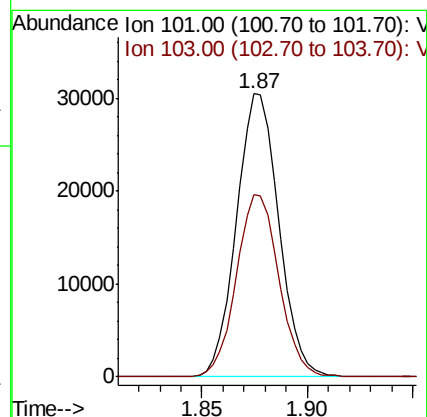
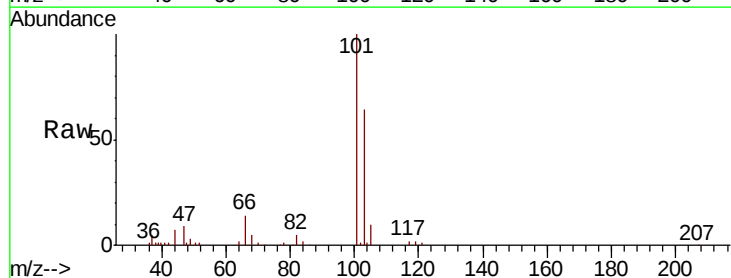
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01036

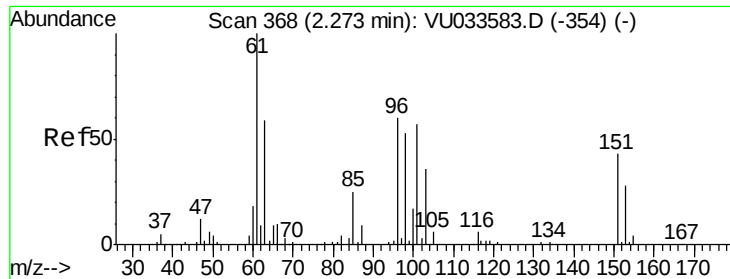
Tgt Ion: 64 Resp: 20365
 Ion Ratio Lower Upper
 64 100
 66 32.3 22.6 42.0



#9
 Trichlorofluoromethane
 Concen: 11.361 ug/L
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU033582.D
 Acq: 03 Aug 2019 10:56

Tgt Ion: 101 Resp: 42417
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.2 78.2





#10

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

Concen: 11.372 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01036

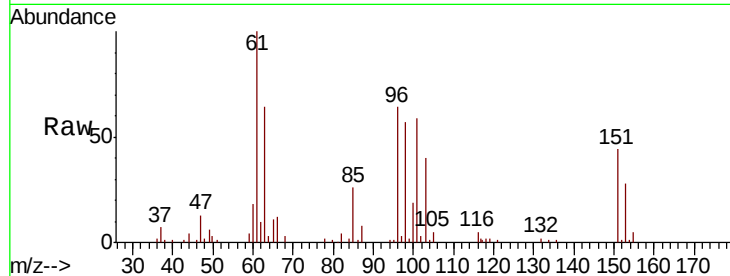
Tgt Ion:101 Resp: 21602

Ion Ratio Lower Upper

101 100

85 44.1 35.5 53.3

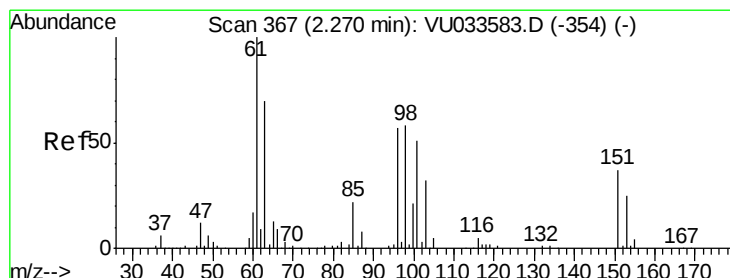
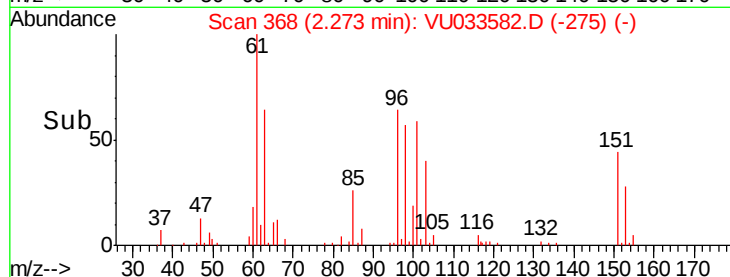
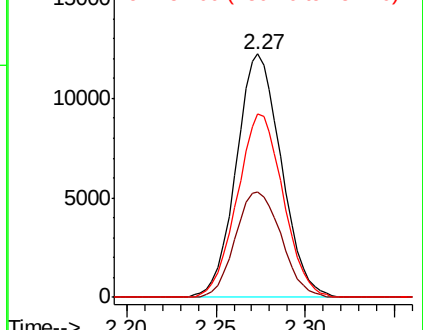
151 76.8 59.9 89.9



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: 11.251 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

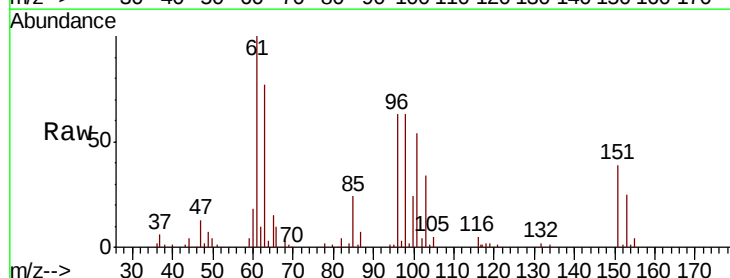
Tgt Ion: 96 Resp: 20360

Ion Ratio Lower Upper

96 100

61 159.4 122.8 228.0

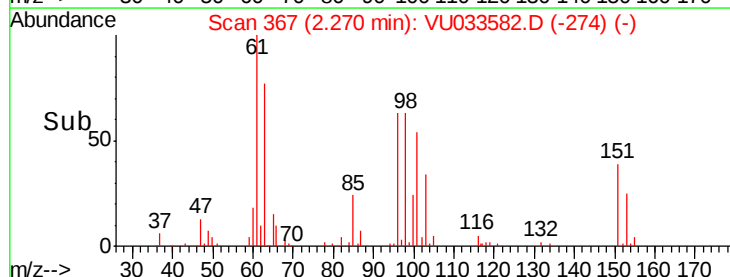
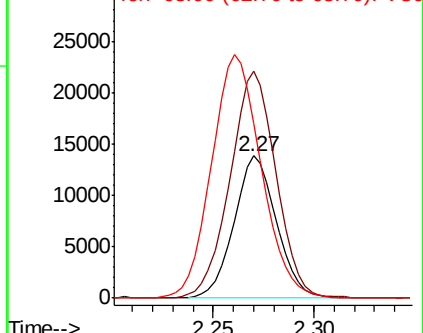
63 122.6 87.1 161.7

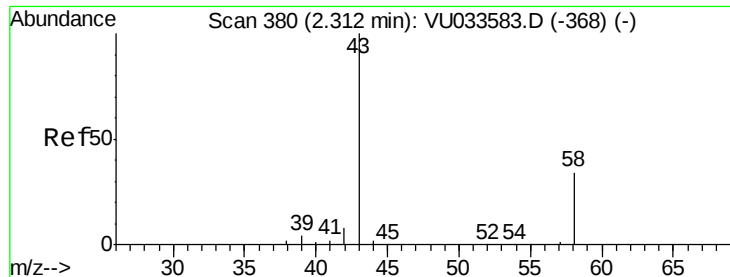


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 26.575 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

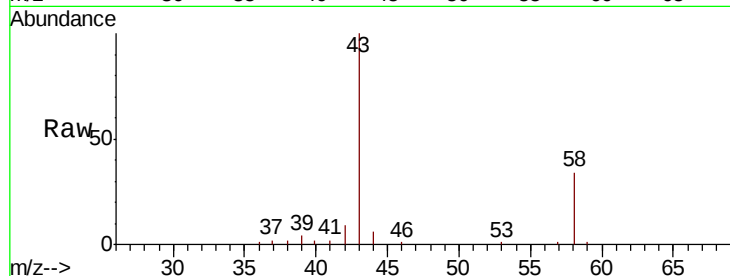
VSTD01036

Tgt Ion: 43 Resp: 37101

Ion Ratio Lower Upper

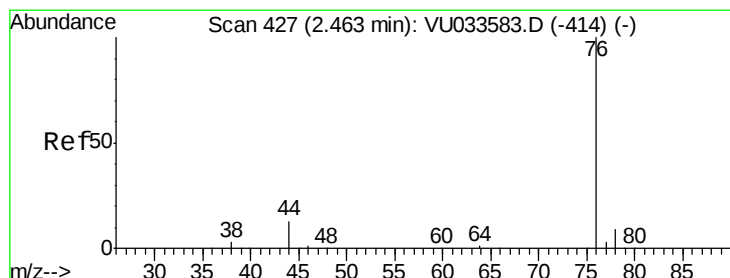
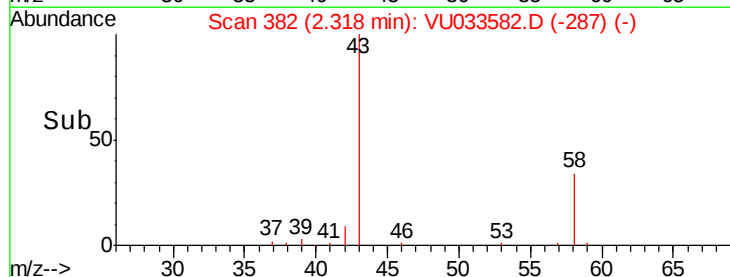
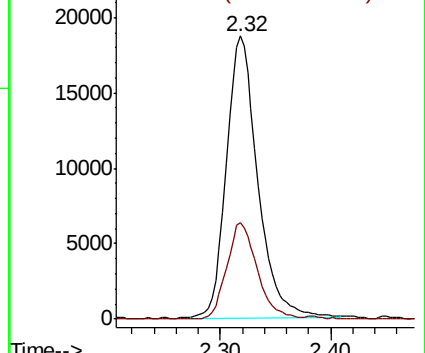
43 100

58 32.9 0.0 66.0



Abundance Ion 43.00 (42.70 to 43.70): VU033583.D (-368) (-)

Ion 58.00 (57.70 to 58.70): VU033583.D (-368) (-)



#14

Carbon disulfide

Concen: 10.459 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033582.D

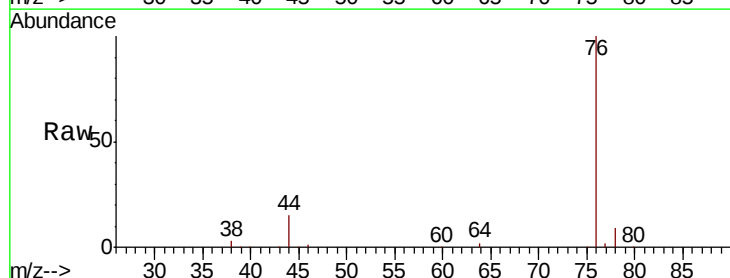
Acq: 03 Aug 2019 10:56

Tgt Ion: 76 Resp: 58913

Ion Ratio Lower Upper

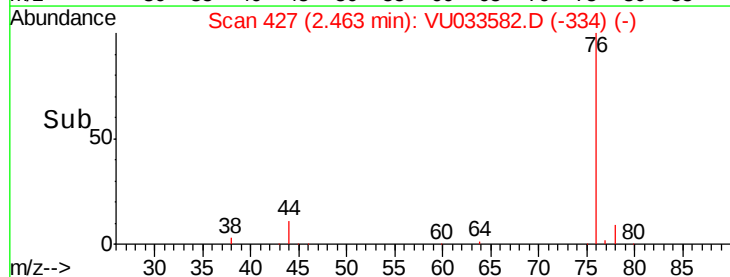
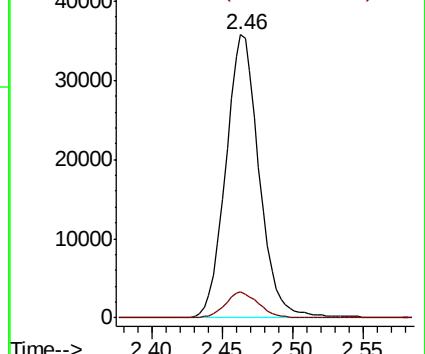
76 100

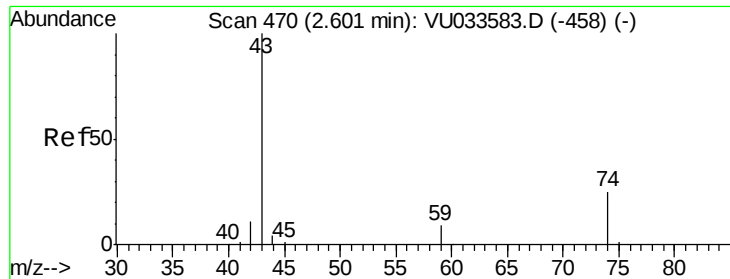
78 9.1 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VU033583.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033583.D (-414) (-)

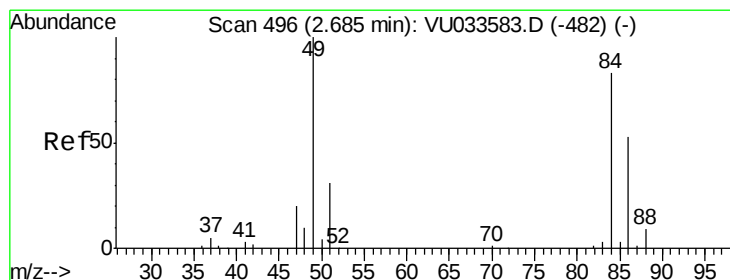
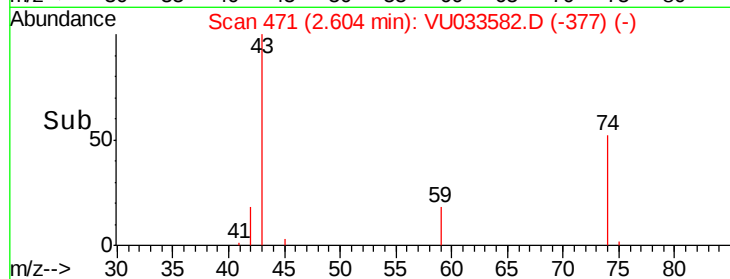
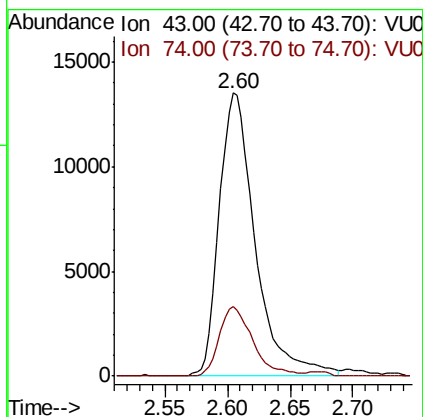
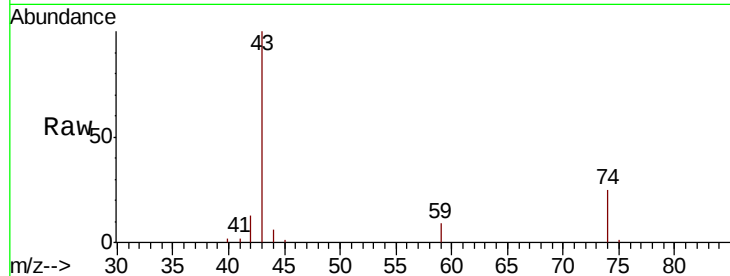




#15
Methyl Acetate
Concen: 12.117 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU033582.D
Acq: 03 Aug 2019 10:56

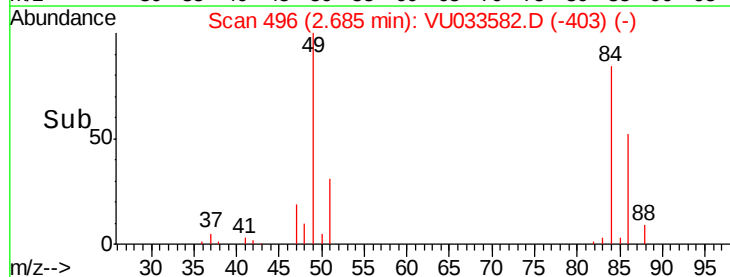
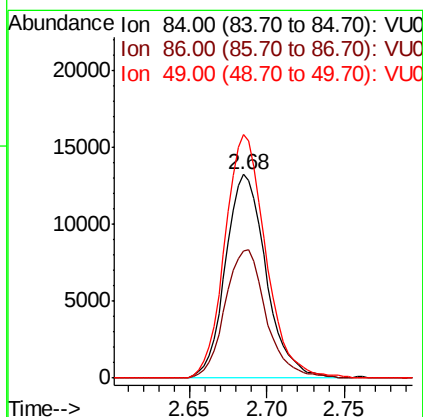
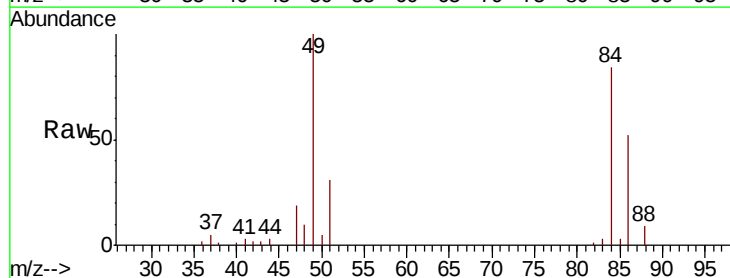
Instrument :
MSVOA_U
ClientSampleId :
VSTD01036

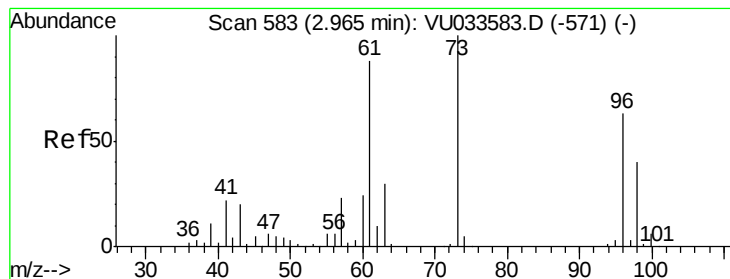
Tgt Ion: 43 Resp: 27094
Ion Ratio Lower Upper
43 100
74 22.8 19.9 29.9



#16
Methylene chloride
Concen: 11.568 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU033582.D
Acq: 03 Aug 2019 10:56

Tgt Ion: 84 Resp: 24072
Ion Ratio Lower Upper
84 100
86 62.4 44.5 82.7
49 119.4 84.2 156.4





#17

trans-1,2-Dichloroethene

Concen: 11.068 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01036

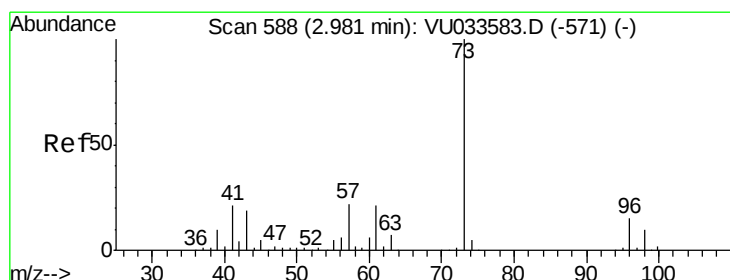
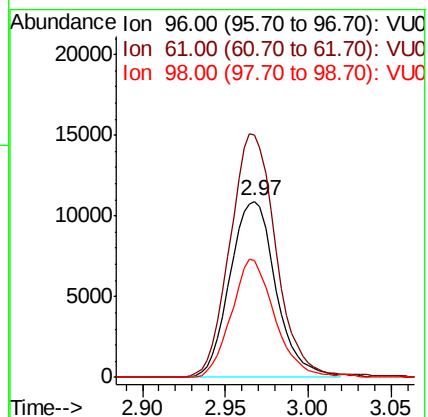
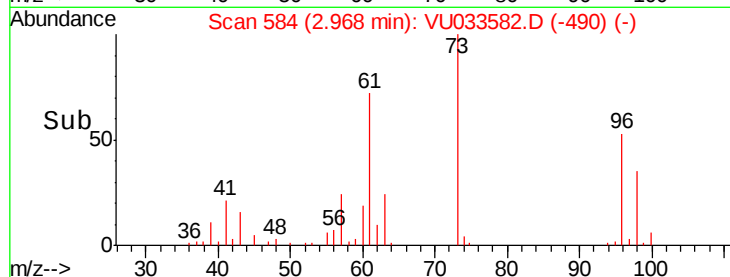
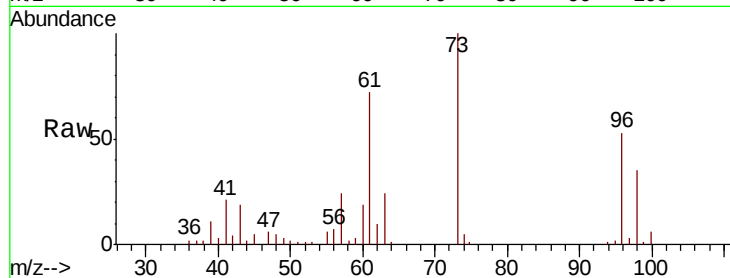
Tgt Ion: 96 Resp: 21014

Ion Ratio Lower Upper

96 100

61 137.4 98.1 182.3

98 66.1 44.2 82.2



#18

Methyl tert-butyl Ether

Concen: 10.963 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

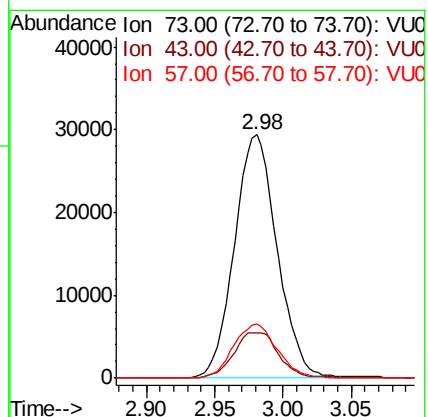
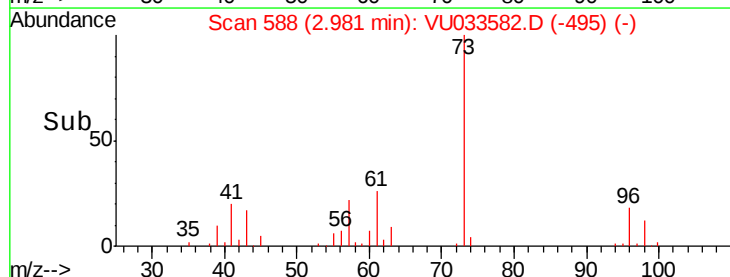
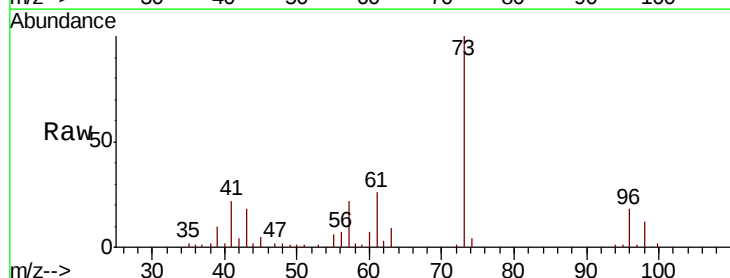
Tgt Ion: 73 Resp: 63892

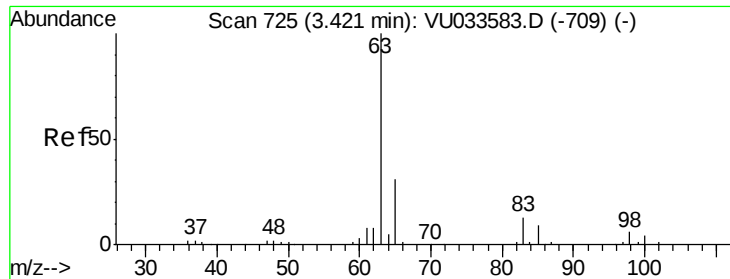
Ion Ratio Lower Upper

73 100

43 19.6 15.5 23.3

57 22.6 17.8 26.6





#19

1,1-Dichloroethane

Concen: 11.400 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01036

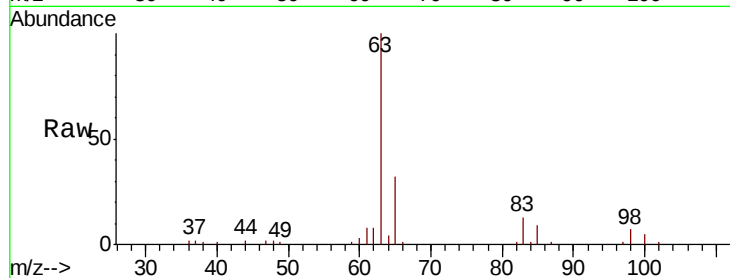
Tgt Ion: 63 Resp: 40899

Ion Ratio Lower Upper

63 100

65 31.9 22.0 40.8

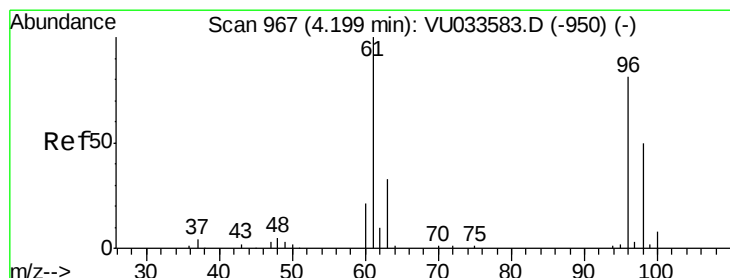
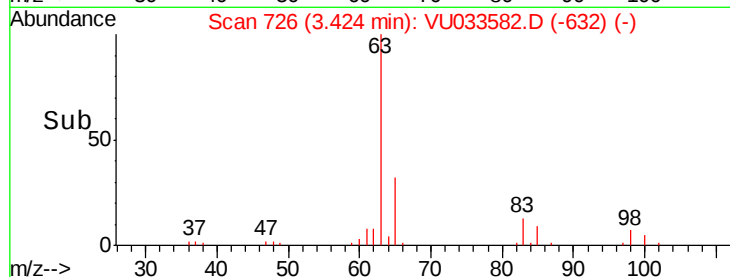
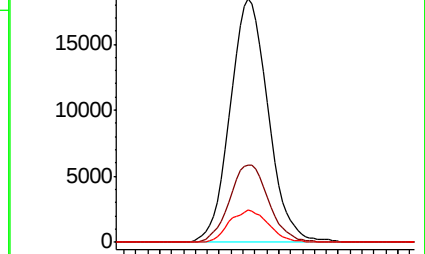
83 13.1 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VU033582.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033582.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033582.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 10.534 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

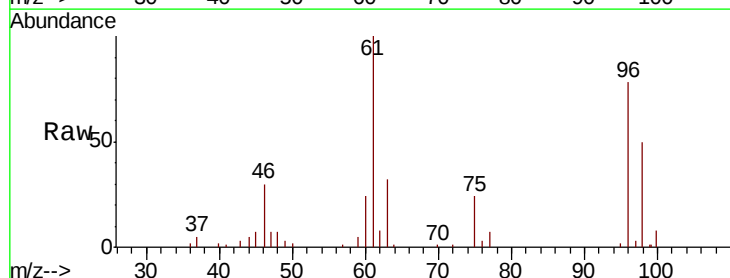
Tgt Ion: 96 Resp: 22613

Ion Ratio Lower Upper

96 100

61 128.5 87.4 162.4

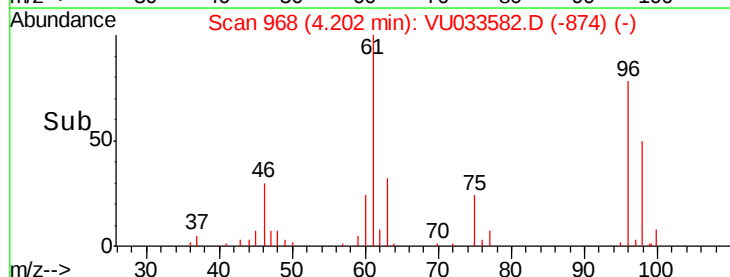
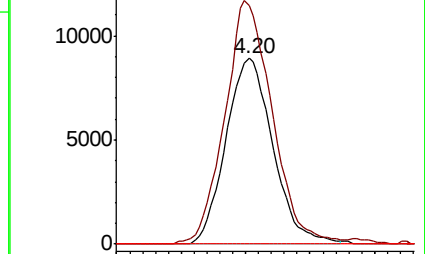
68 0.0 0.0 0.0

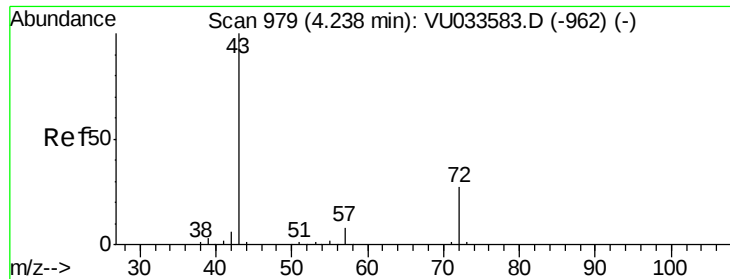


Abundance Ion 96.00 (95.70 to 96.70): VU033582.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU033582.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033582.D (-874) (-)

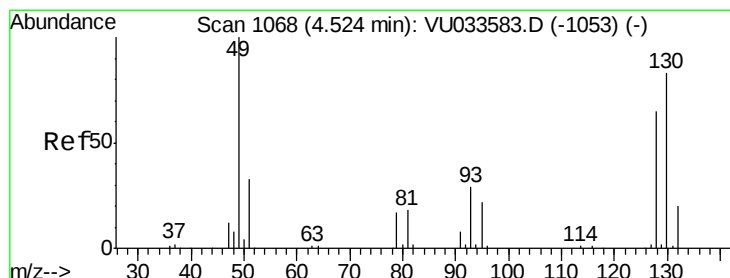
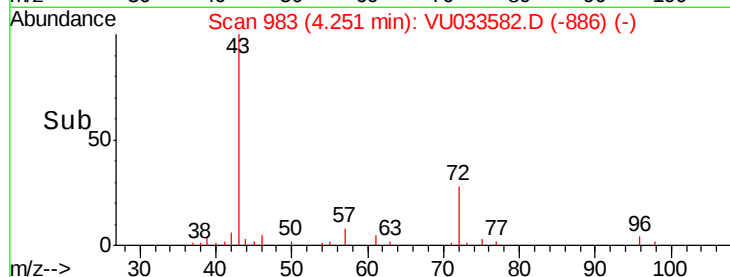
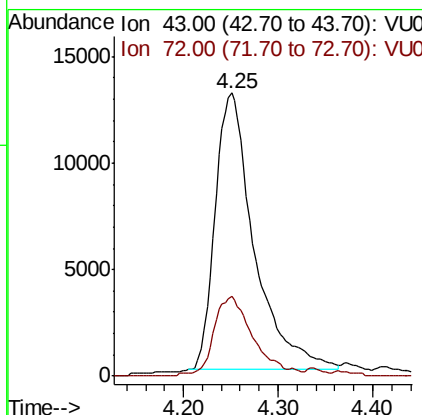
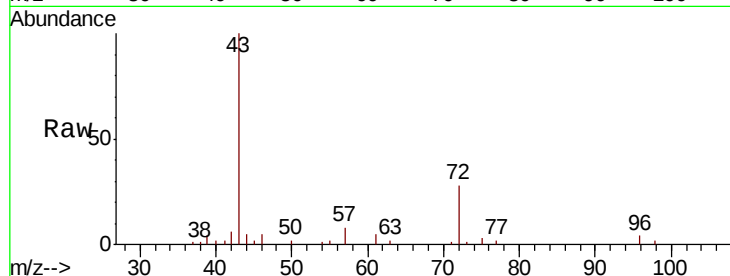




#22
 2-Butanone
 Concen: 22.340 ug/L
 RT: 4.25 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VU033582.D
 Acq: 03 Aug 2019 10:56

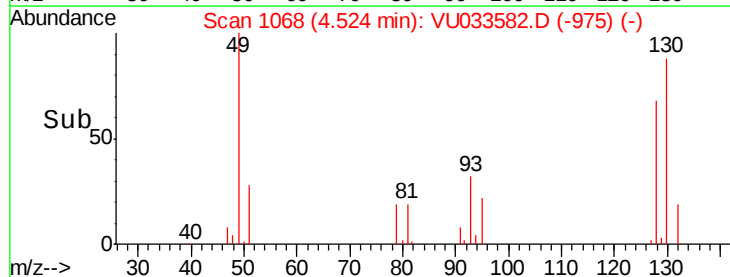
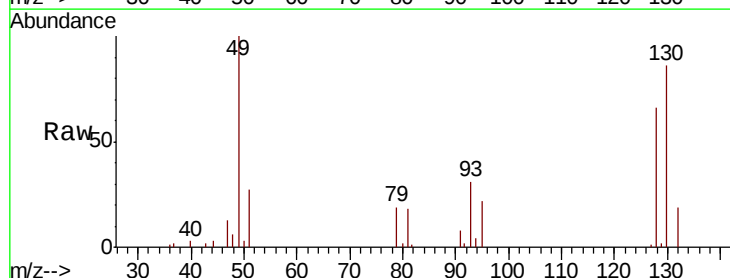
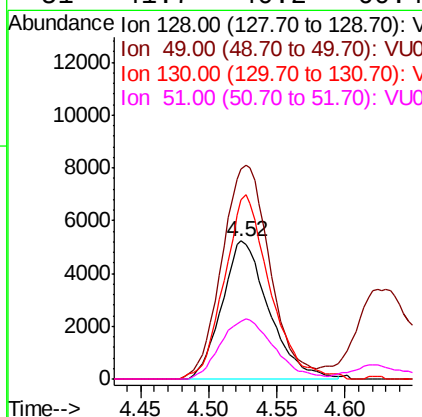
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01036

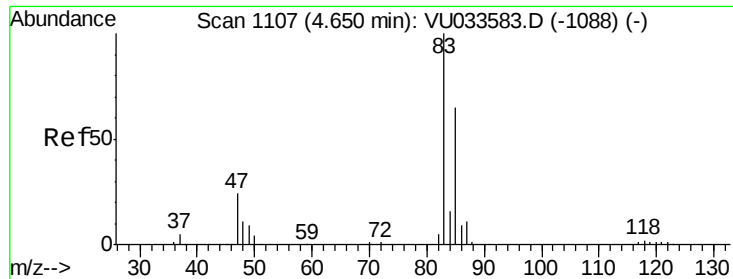
Tgt Ion: 43 Resp: 37330
 Ion Ratio Lower Upper
 43 100
 72 26.9 14.4 43.4



#23
 Bromochloromethane
 Concen: 11.250 ug/L
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU033582.D
 Acq: 03 Aug 2019 10:56

Tgt Ion: 128 Resp: 12497
 Ion Ratio Lower Upper
 128 100
 49 151.9 107.9 200.3
 130 130.2 89.5 166.1
 51 41.7 40.2 60.4

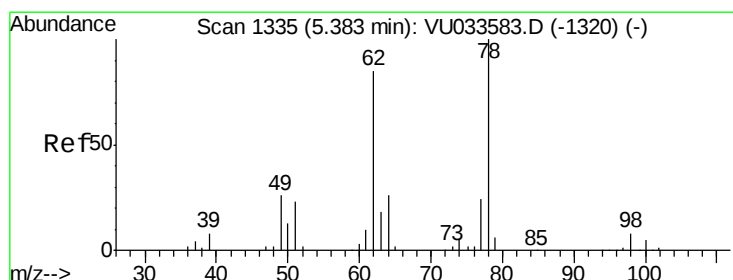
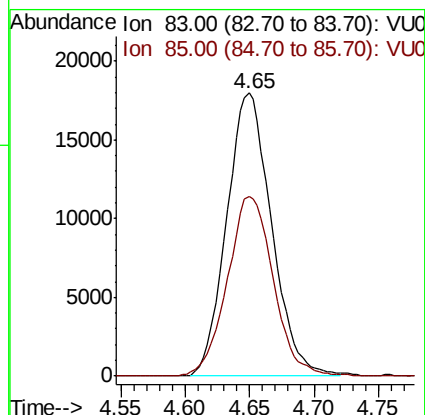
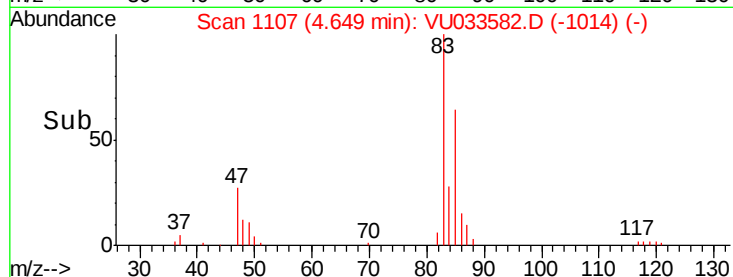
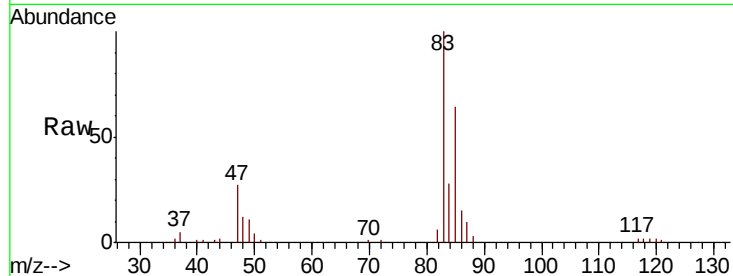




#25
Chloroform
Concen: 11.541 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU033582.D
Acq: 03 Aug 2019 10:56

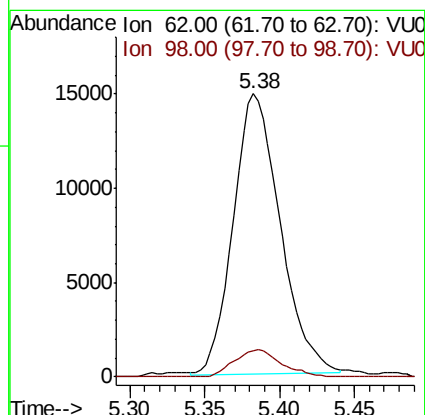
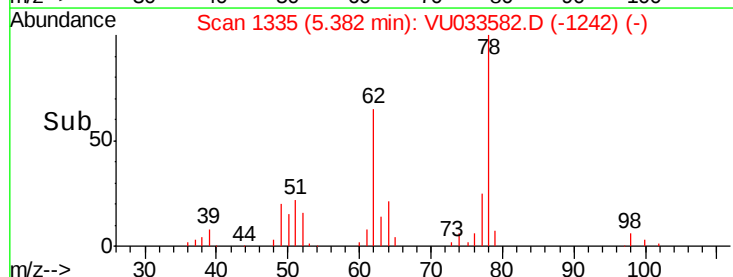
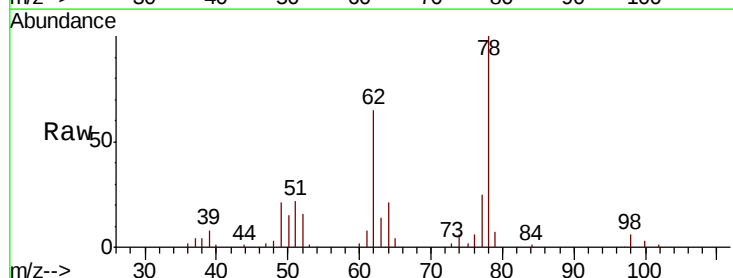
Instrument :
MSVOA_U
ClientSampleId :
VSTD01036

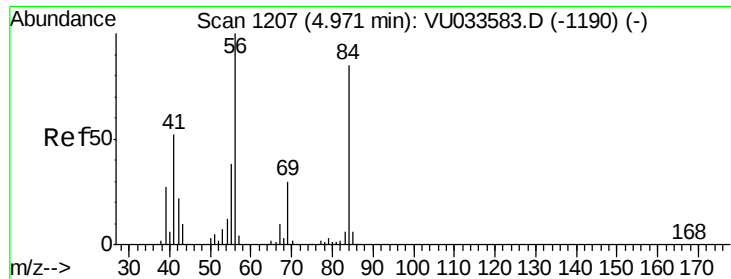
Tgt Ion: 83 Resp: 43482
Ion Ratio Lower Upper
83 100
85 63.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 11.161 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033582.D
Acq: 03 Aug 2019 10:56

Tgt Ion: 62 Resp: 32477
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.0

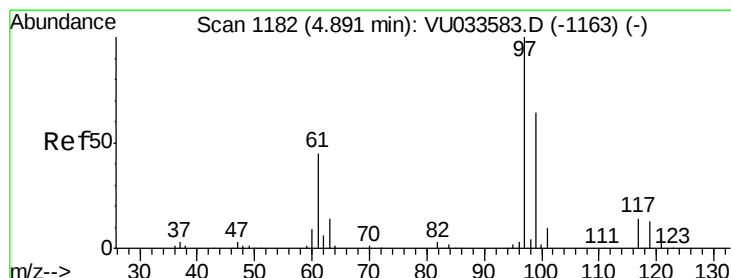
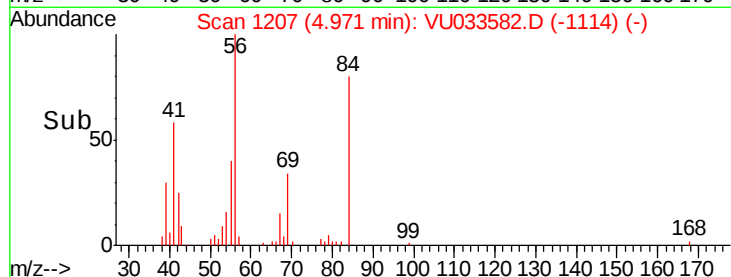
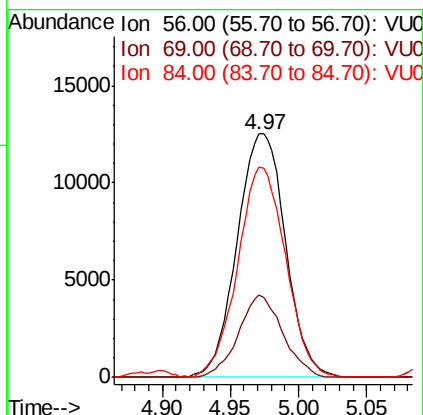
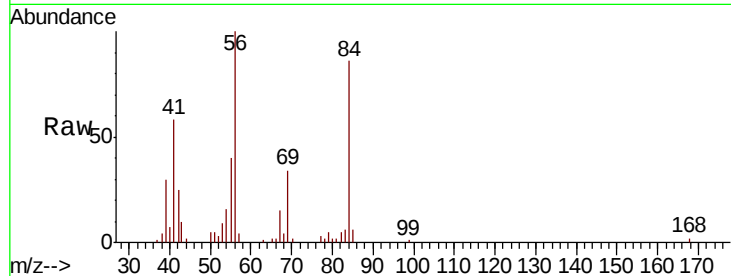




#29
Cyclohexane
Concen: 10.253 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033582.D
Acq: 03 Aug 2019 10:56

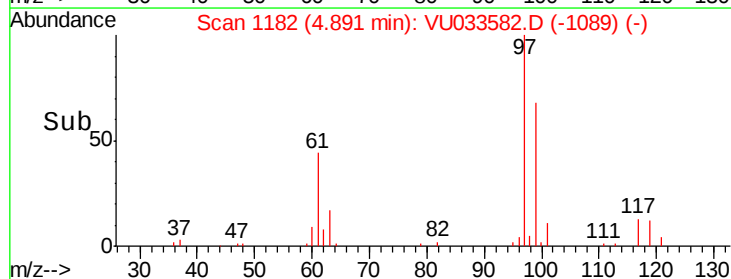
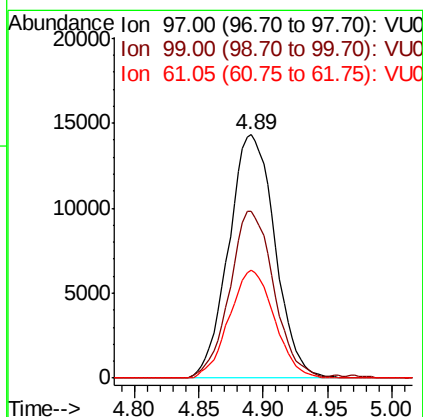
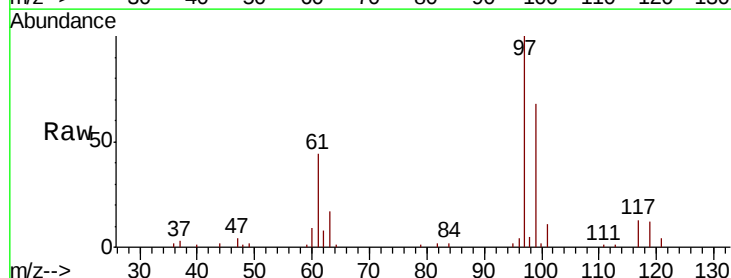
Instrument :
MSVOA_U
ClientSampleId :
VSTD01036

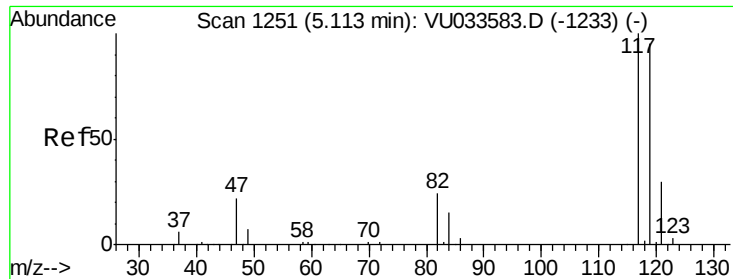
Tgt Ion: 56 Resp: 30835
Ion Ratio Lower Upper
56 100
69 30.9 24.6 36.8
84 85.7 69.8 104.6



#30
1,1,1-Trichloroethane
Concen: 11.205 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033582.D
Acq: 03 Aug 2019 10:56

Tgt Ion: 97 Resp: 35733
Ion Ratio Lower Upper
97 100
99 65.7 51.5 77.3
61 43.2 36.1 54.1





#31

Carbon tetrachloride

Concen: 10.909 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

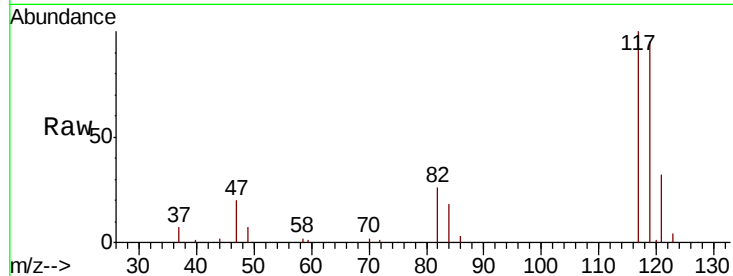
VSTD01036

Tgt Ion:117 Resp: 30370

Ion Ratio Lower Upper

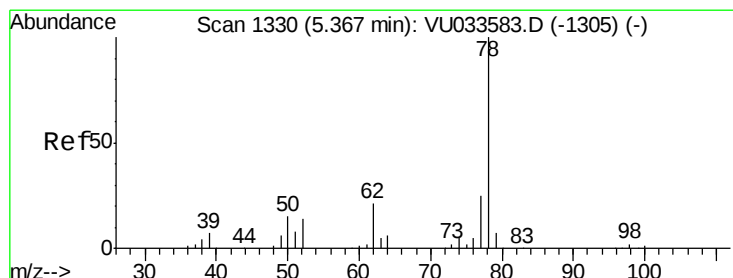
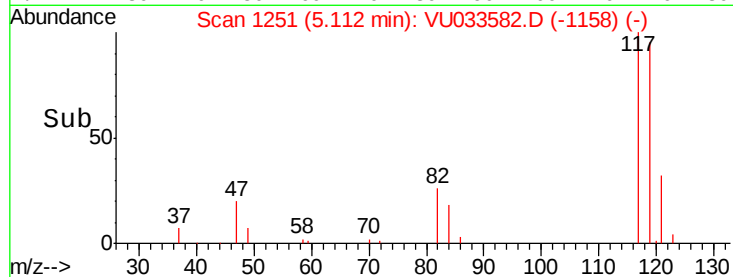
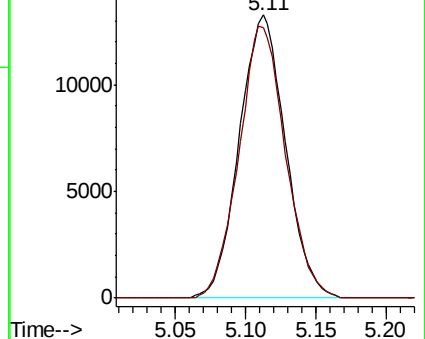
117 100

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: 10.886 ug/L

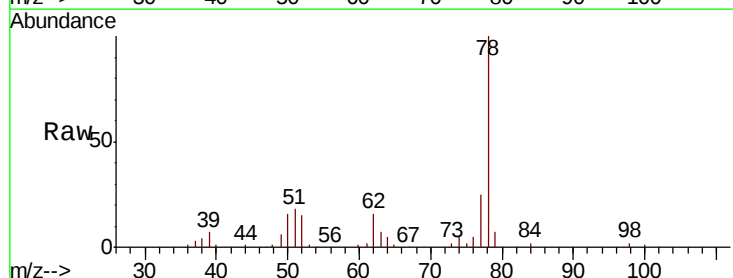
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

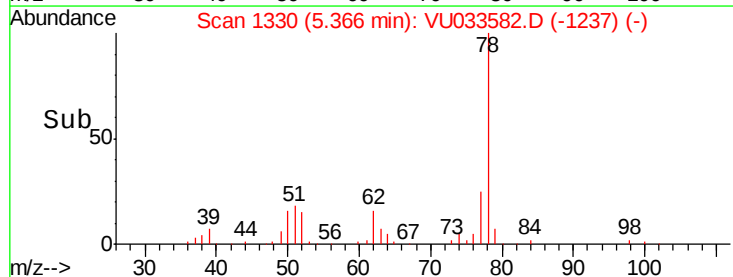
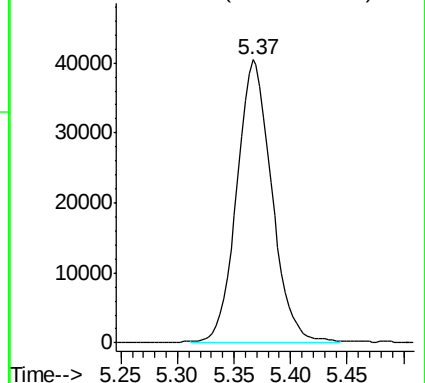
Lab File: VU033582.D

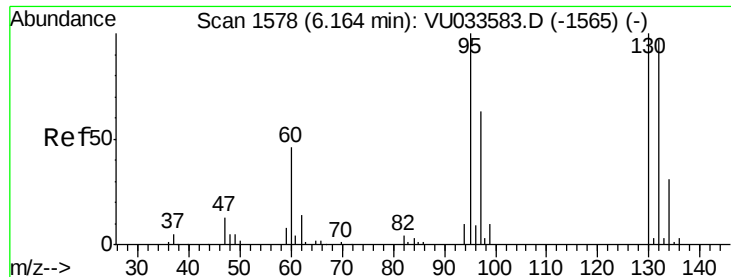
Acq: 03 Aug 2019 10:56

Tgt Ion: 78 Resp: 86952



Abundance Ion 78.00 (77.70 to 78.70): VU0

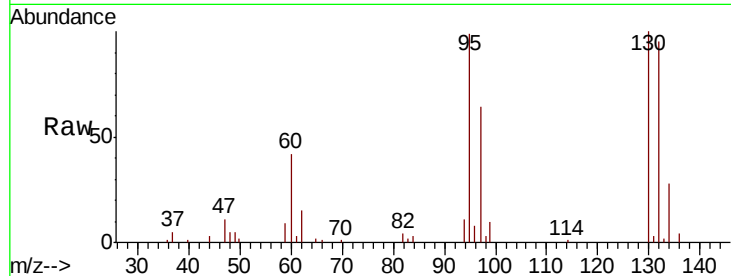




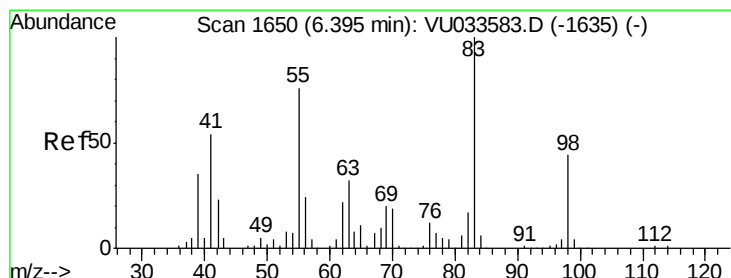
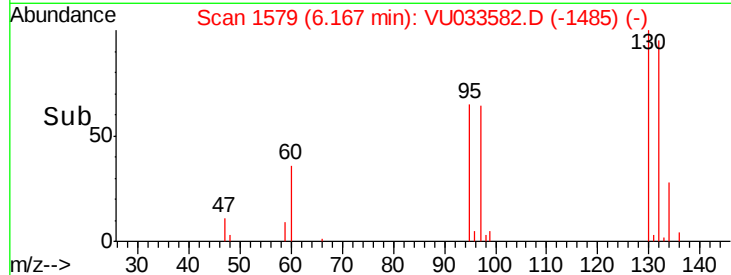
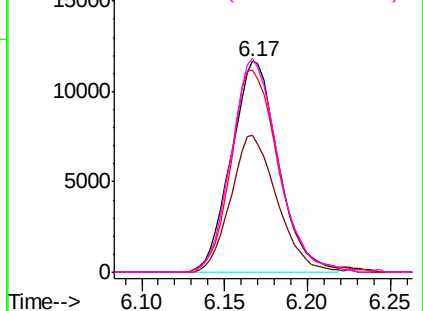
#34
 Trichloroethene
 Concen: 11.001 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033582.D
 Acq: 03 Aug 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01036

Tgt Ion: 95 Resp: 23151
 Ion Ratio Lower Upper
 95 100
 97 65.0 44.2 82.2
 132 95.8 68.3 126.8
 130 101.3 70.1 130.3

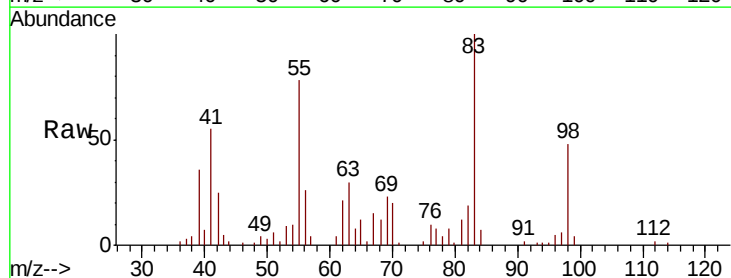


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

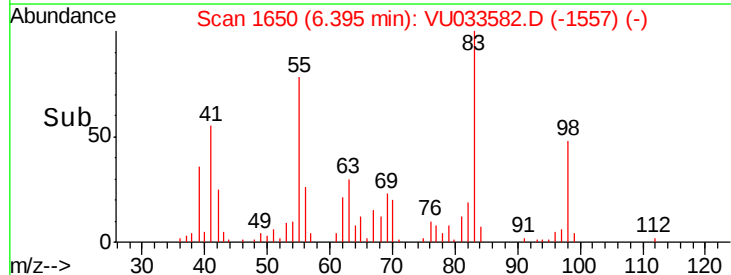
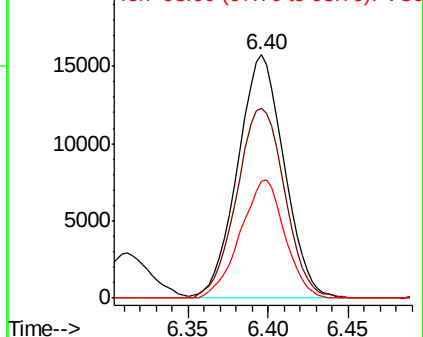


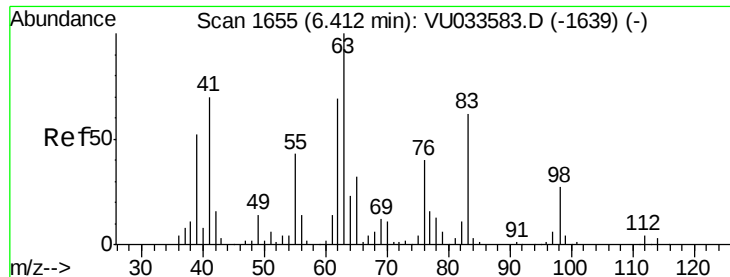
#35
 Methylcyclohexane
 Concen: 9.556 ug/L
 RT: 6.40 min Scan# 1650
 Delta R.T. -0.00 min
 Lab File: VU033582.D
 Acq: 03 Aug 2019 10:56

Tgt Ion: 83 Resp: 31317
 Ion Ratio Lower Upper
 83 100
 55 80.8 60.7 91.1
 98 46.5 35.4 53.2



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

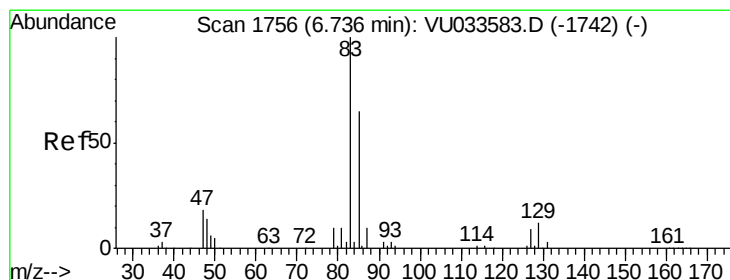
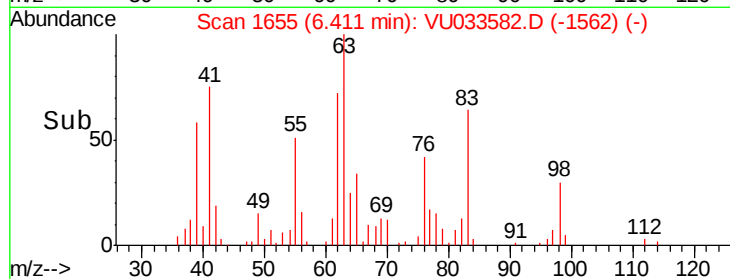
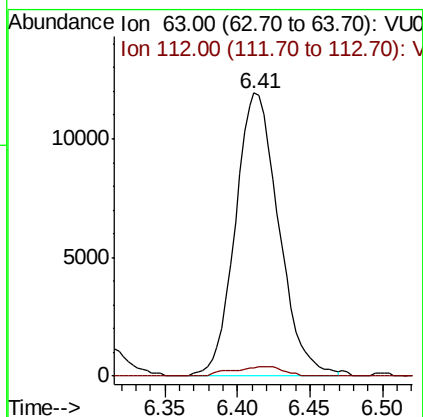
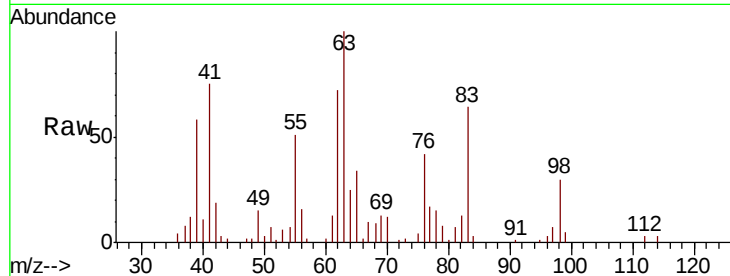




#37
 1,2-Dichloropropane
 Concen: 11.525 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033582.D
 Acq: 03 Aug 2019 10:56

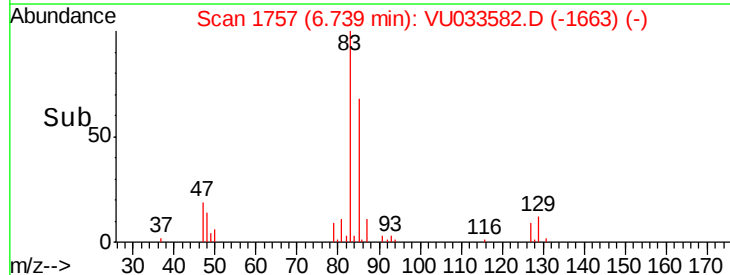
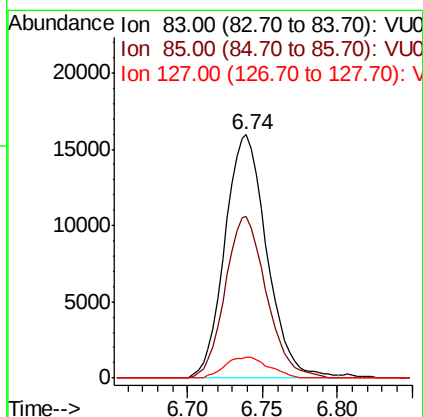
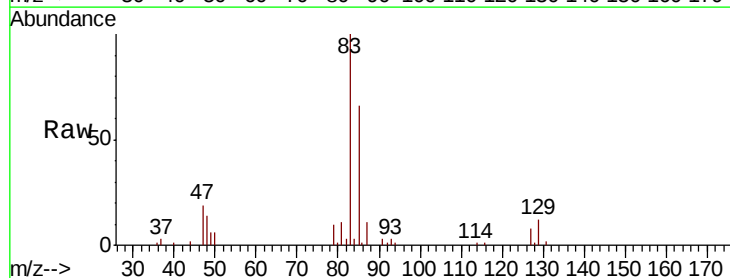
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01036

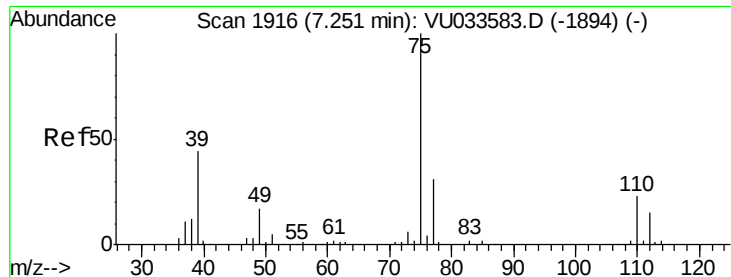
Tgt Ion: 63 Resp: 24863
 Ion Ratio Lower Upper
 63 100
 112 3.0 3.0 4.4



#38
 Bromodichloromethane
 Concen: 11.253 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033582.D
 Acq: 03 Aug 2019 10:56

Tgt Ion: 83 Resp: 31252
 Ion Ratio Lower Upper
 83 100
 85 66.4 45.5 84.5
 127 8.5 6.9 10.3

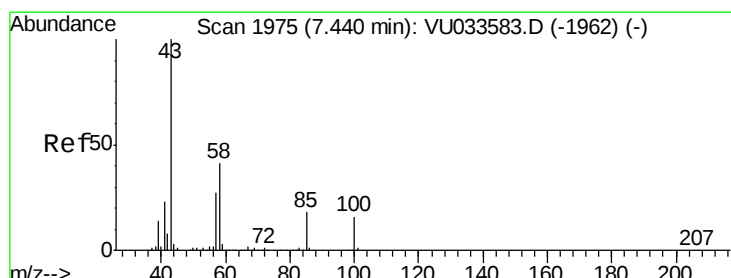
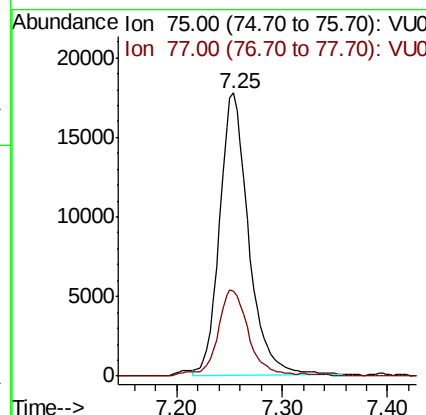
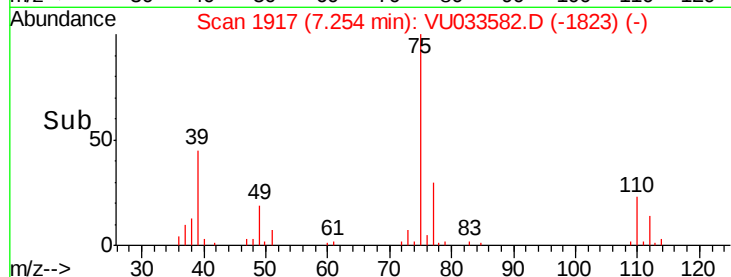
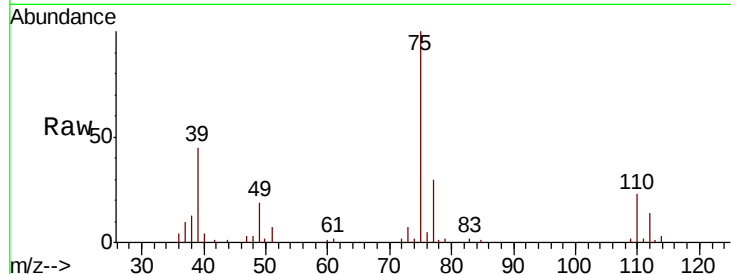




#39
 cis-1,3-Dichloropropene
 Concen: 10.099 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033582.D
 Acq: 03 Aug 2019 10:56

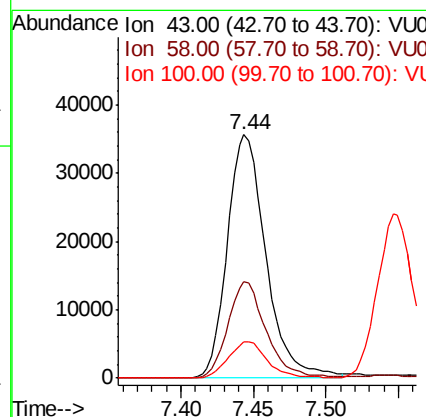
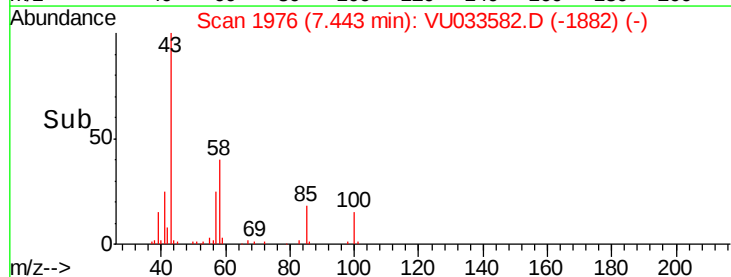
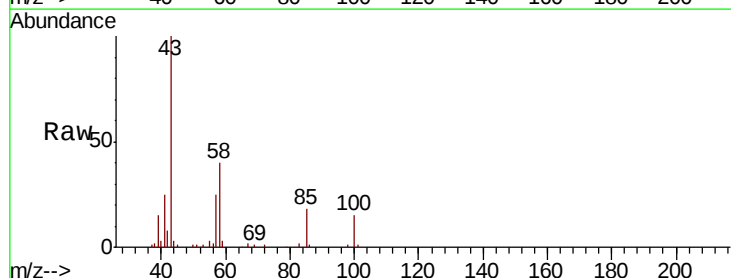
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01036

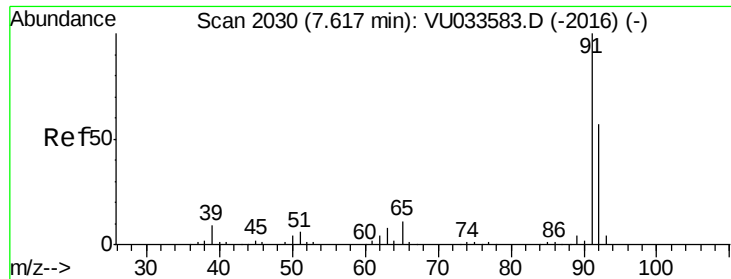
Tgt Ion: 75 Resp: 33784
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 21.969 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033582.D
 Acq: 03 Aug 2019 10:56

Tgt Ion: 43 Resp: 65785
 Ion Ratio Lower Upper
 43 100
 58 39.1 33.0 49.4
 100 15.1 12.4 18.6





#42

Toluene

Concen: 10.699 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

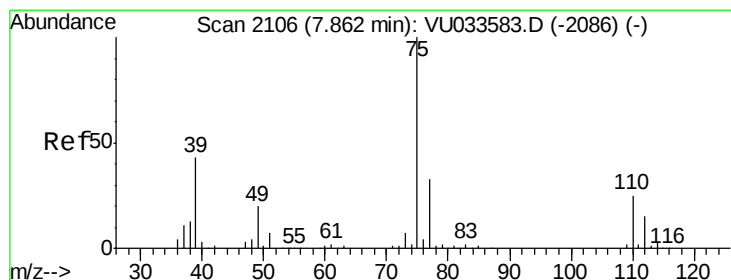
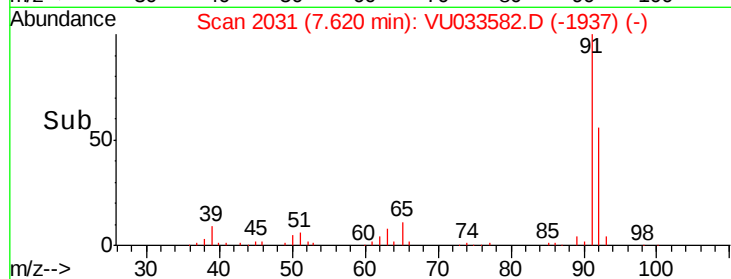
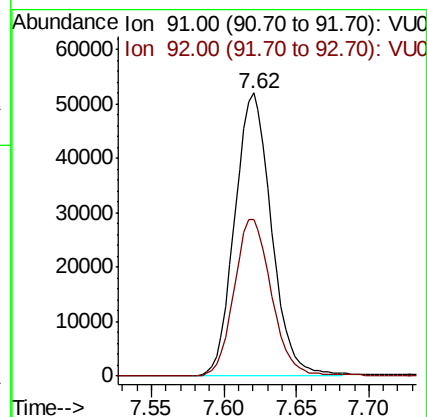
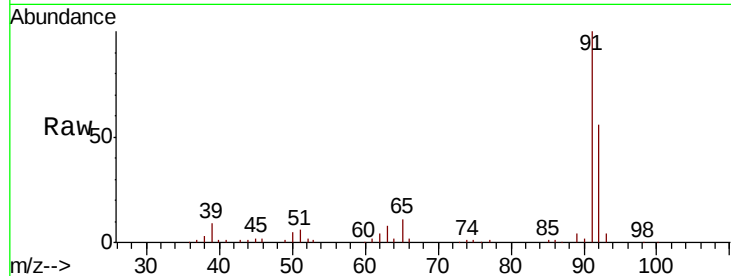
VSTD01036

Tgt Ion: 91 Resp: 91714

Ion Ratio Lower Upper

91 100

92 55.6 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 10.430 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033582.D

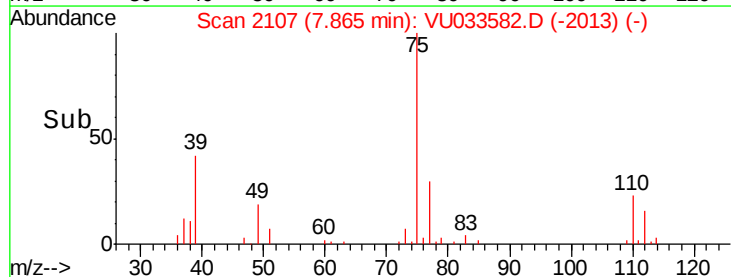
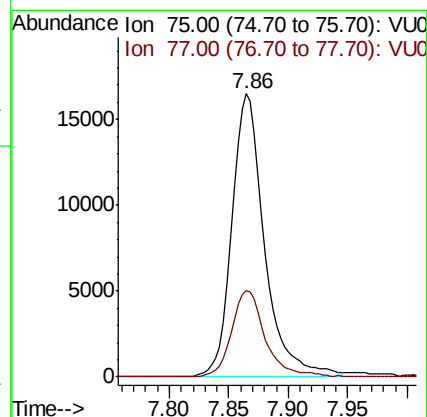
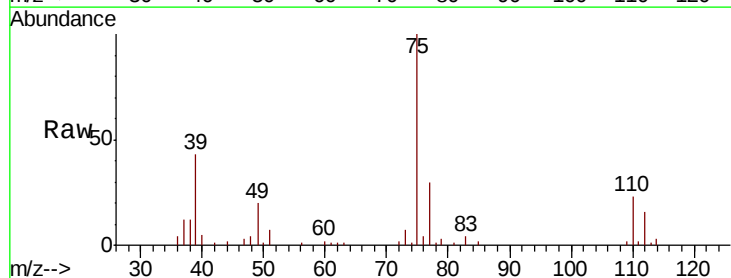
Acq: 03 Aug 2019 10:56

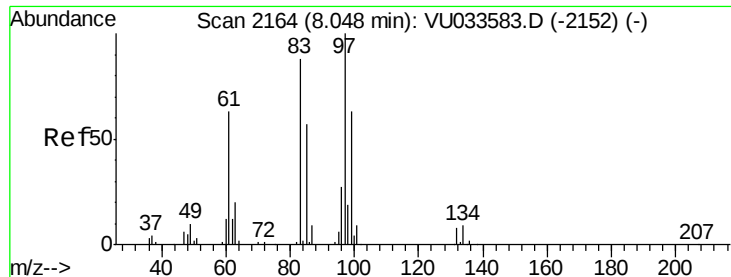
Tgt Ion: 75 Resp: 31414

Ion Ratio Lower Upper

75 100

77 30.3 23.4 43.4





#45

1,1,2-Trichloroethane

Concen: 11.301 ug/L

RT: 8.05 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01036

Tgt Ion: 97 Resp: 23036

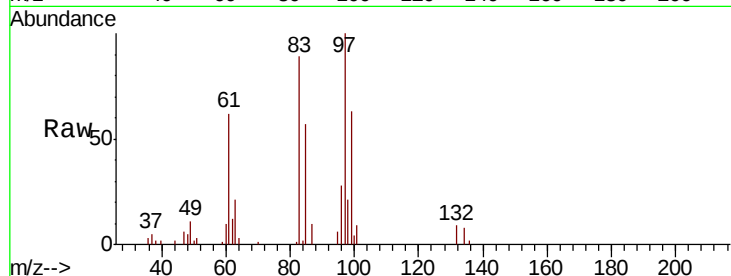
Ion Ratio Lower Upper

97 100

99 62.5 43.9 81.5

83 89.4 61.9 114.9

85 56.8 39.8 73.8

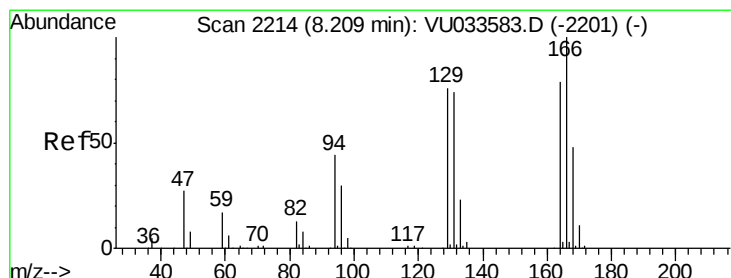
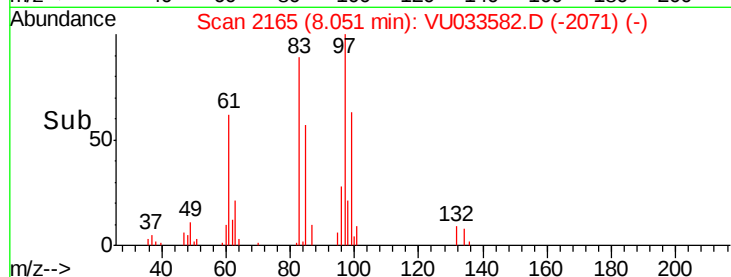
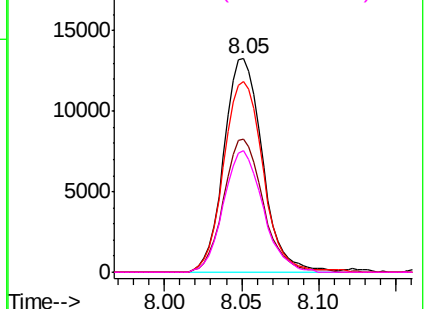


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 10.654 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Tgt Ion: 164 Resp: 18226

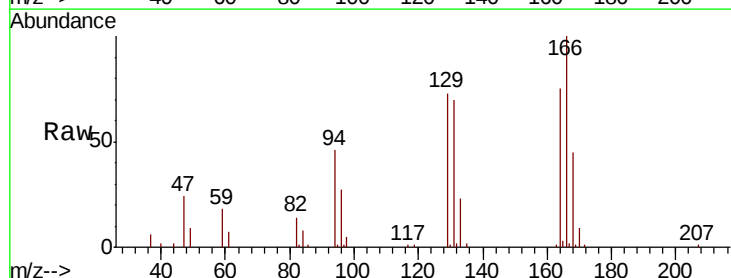
Ion Ratio Lower Upper

164 100

129 97.2 67.0 124.4

131 92.8 65.0 120.6

166 133.5 88.1 163.7

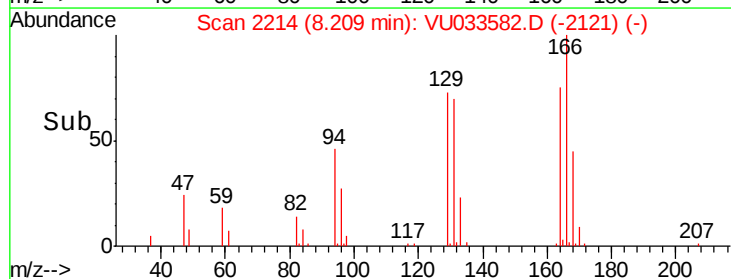
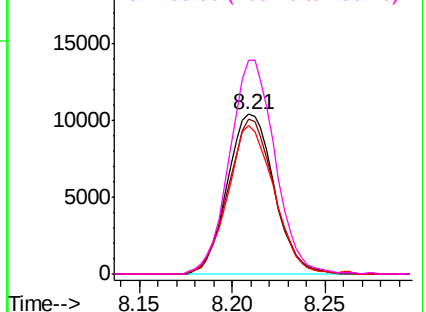


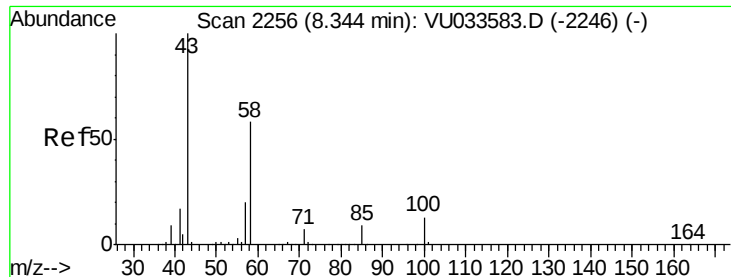
Abundance Ion 164.00 (163.70 to 164.70): V

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

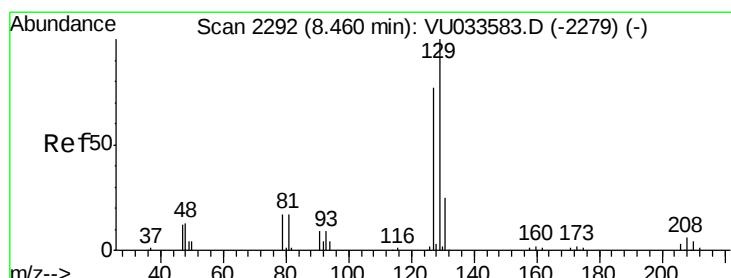
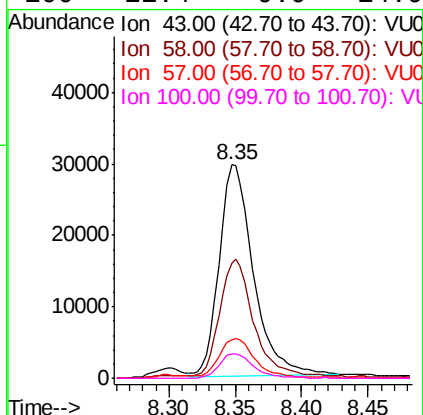
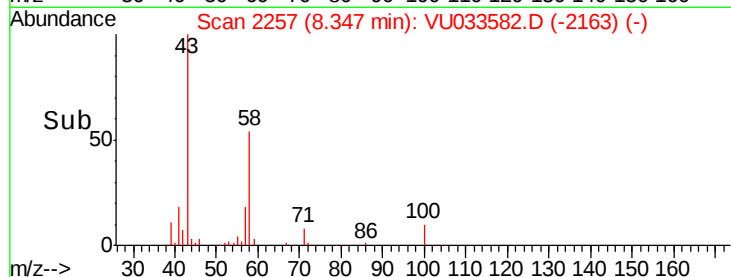
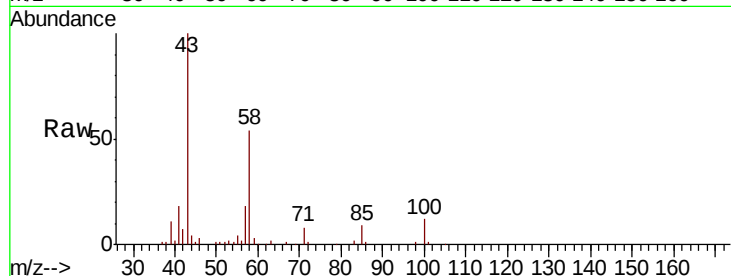




#48
2-Hexanone
Concen: 22.176 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033582.D
Acq: 03 Aug 2019 10:56

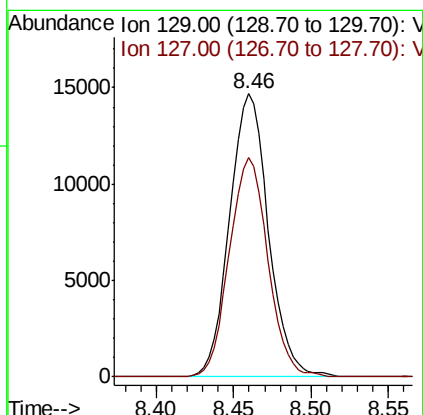
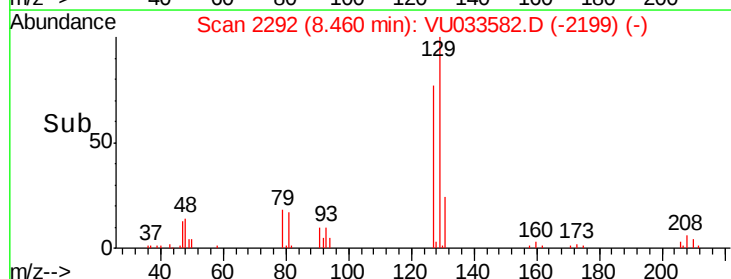
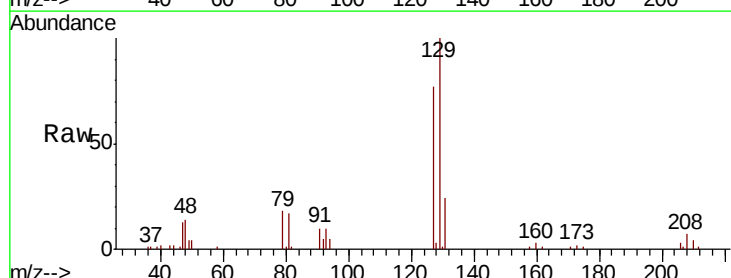
Instrument :
MSVOA_U
ClientSampleId :
VSTD01036

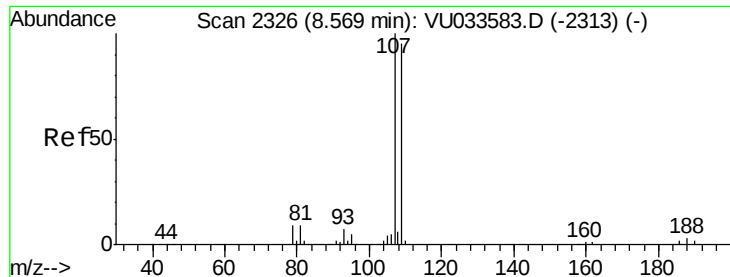
Tgt Ion: 43 Resp: 53472
Ion Ratio Lower Upper
43 100
58 56.6 45.9 68.9
57 19.0 16.2 24.2
100 11.4 9.9 14.9



#49
Dibromochloromethane
Concen: 11.079 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033582.D
Acq: 03 Aug 2019 10:56

Tgt Ion: 129 Resp: 25647
Ion Ratio Lower Upper
129 100
127 77.4 53.7 99.7

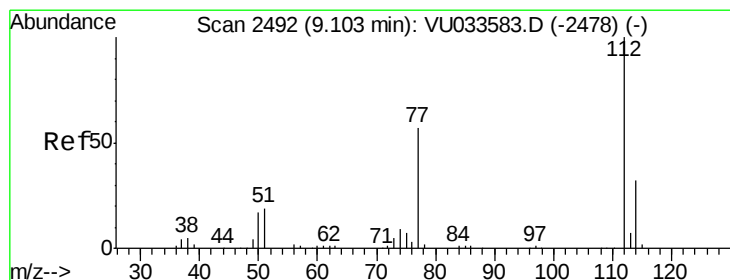
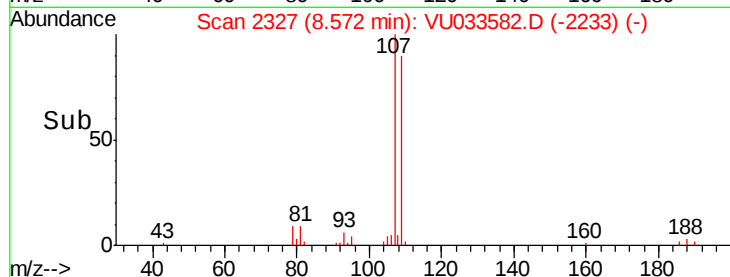
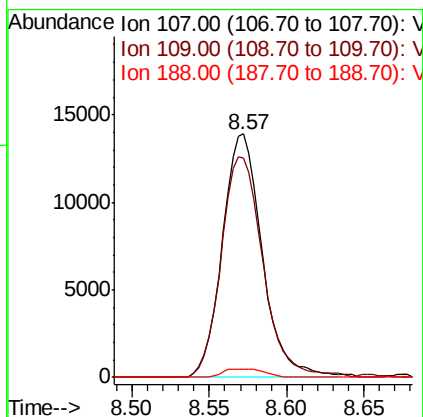
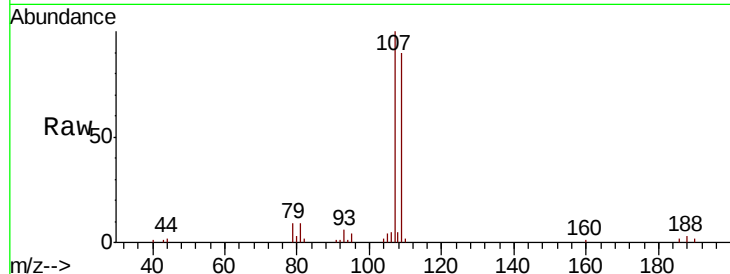




#50
1,2-Dibromoethane
Concen: 11.061 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033582.D
Acq: 03 Aug 2019 10:56

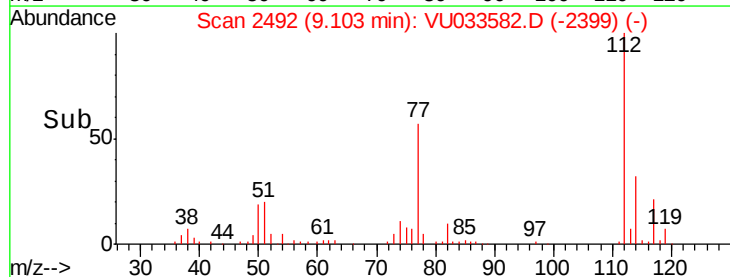
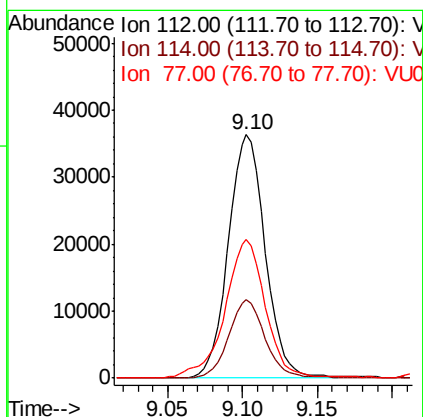
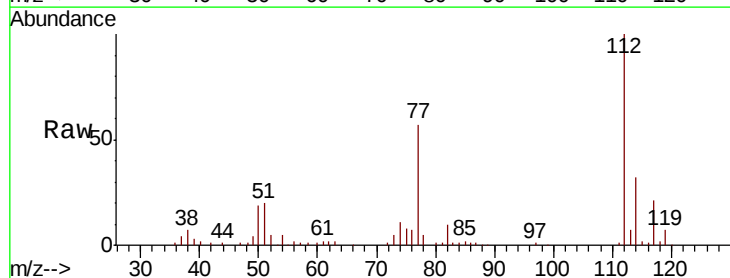
Instrument :
MSVOA_U
ClientSampleId :
VSTD01036

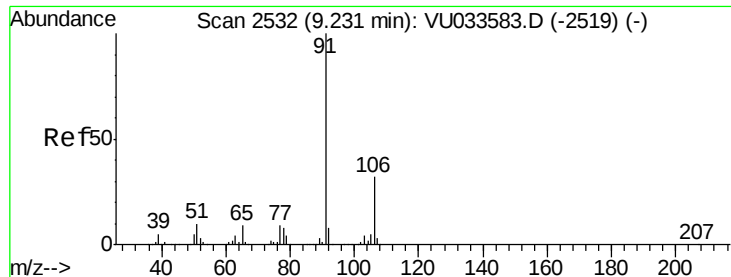
Tgt Ion:107 Resp: 24826
Ion Ratio Lower Upper
107 100
109 90.2 66.6 123.6
188 3.4 2.6 4.0



#51
Chlorobenzene
Concen: 11.100 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033582.D
Acq: 03 Aug 2019 10:56

Tgt Ion:112 Resp: 62259
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.3
77 57.0 46.3 69.5





#52

Ethylbenzene

Concen: 10.115 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

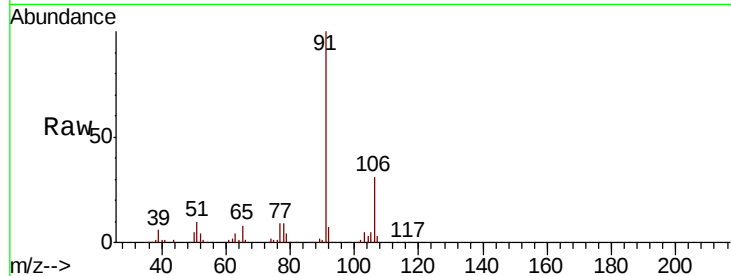
VSTD01036

Tgt Ion: 91 Resp: 93371

Ion Ratio Lower Upper

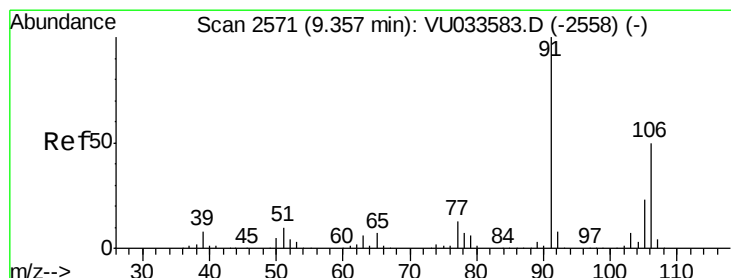
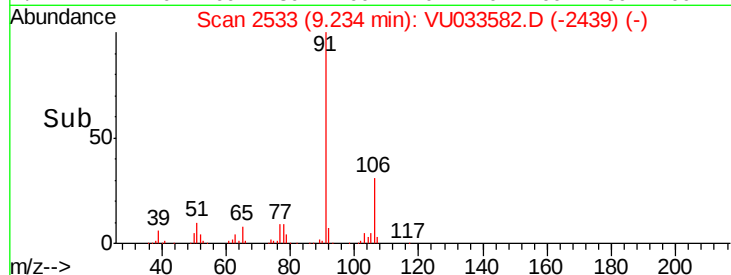
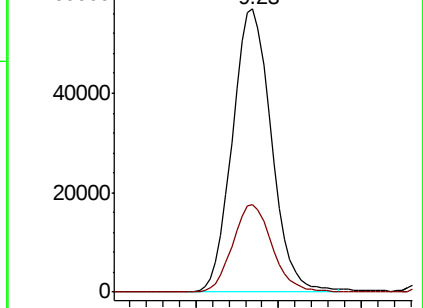
91 100

106 31.1 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU033583.D (-2519) (-)

Ion 106.00 (105.70 to 106.70): VU033583.D (-2519) (-)



#53

m,p-Xylene

Concen: 10.019 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033582.D

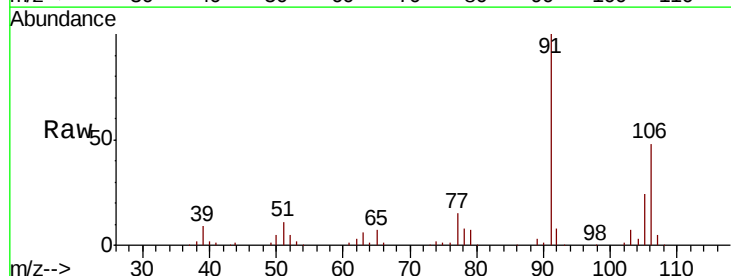
Acq: 03 Aug 2019 10:56

Tgt Ion: 106 Resp: 35600

Ion Ratio Lower Upper

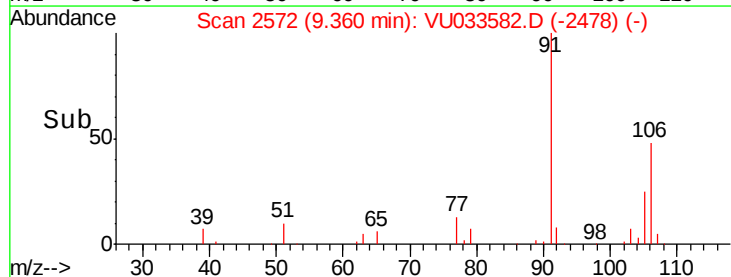
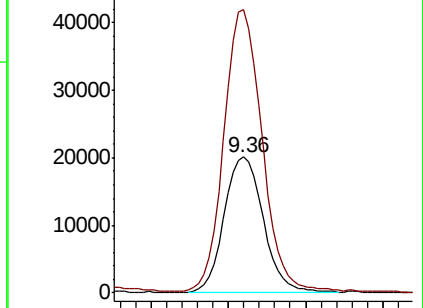
106 100

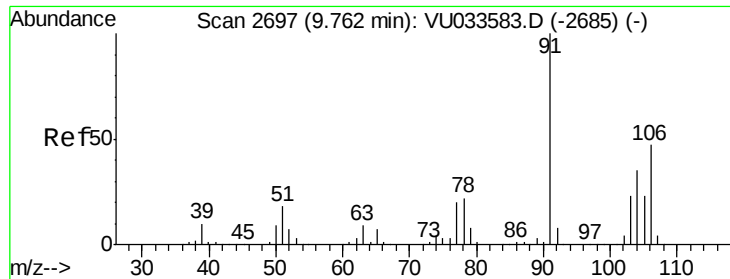
91 208.3 141.2 262.2



Abundance Ion 106.00 (105.70 to 106.70): VU033583.D (-2558) (-)

Ion 91.00 (90.70 to 91.70): VU033583.D (-2558) (-)





#54

o-xylene

Concen: 10.032 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

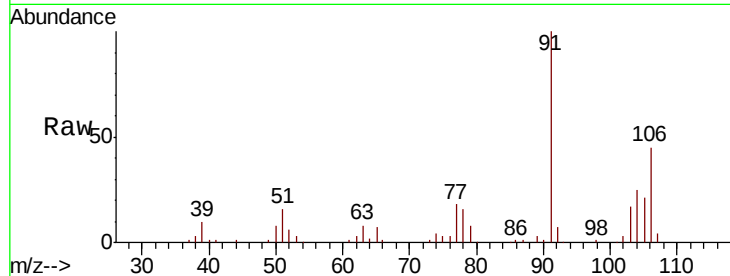
VSTD01036

Tgt Ion:106 Resp: 34382

Ion Ratio Lower Upper

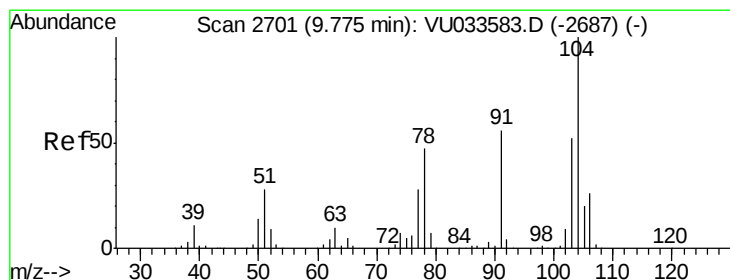
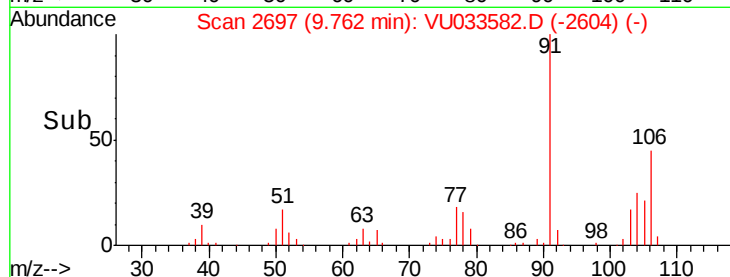
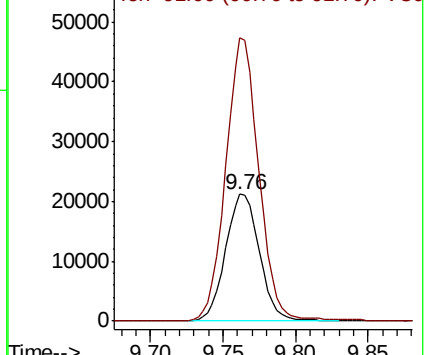
106 100

91 223.1 148.9 276.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 9.890 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033582.D

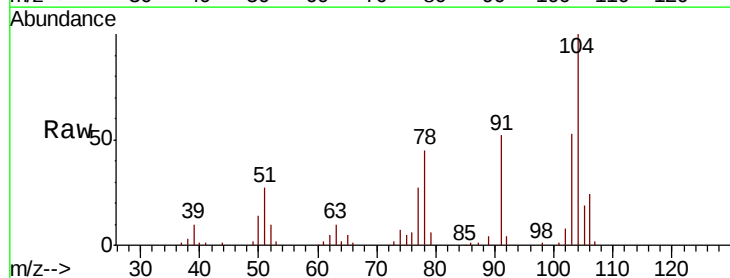
Acq: 03 Aug 2019 10:56

Tgt Ion:104 Resp: 57614

Ion Ratio Lower Upper

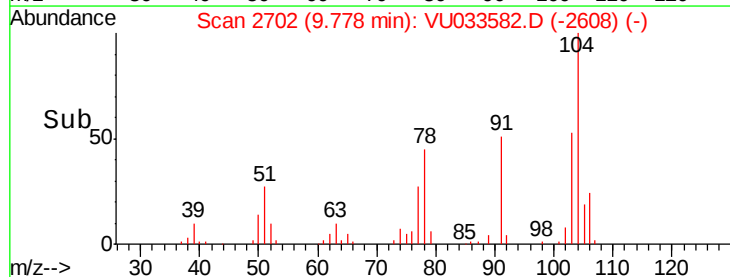
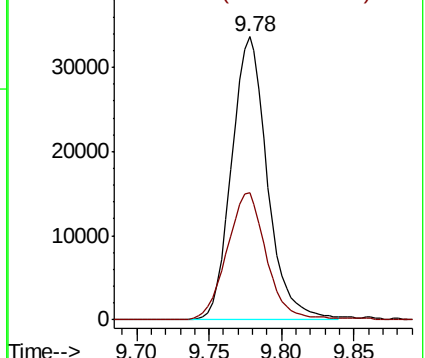
104 100

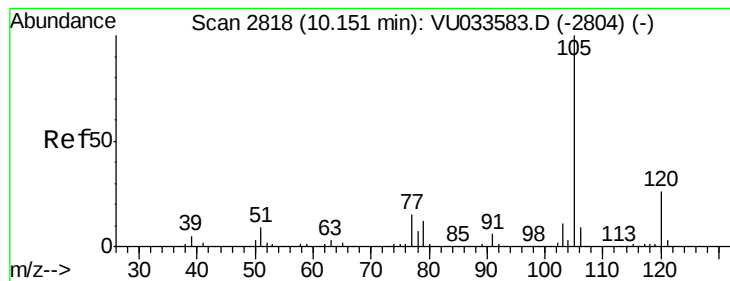
78 44.9 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 9.896 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01036

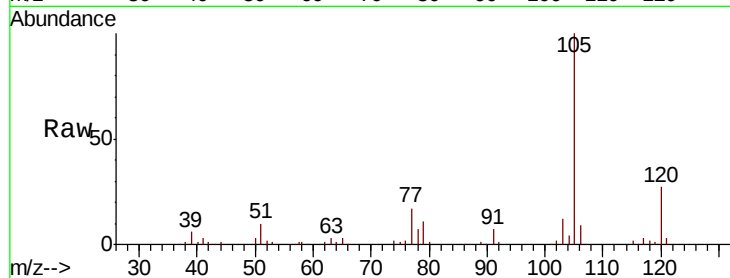
Tgt Ion: 105 Resp: 88822

Ion Ratio Lower Upper

105 100

120 27.0 21.1 31.7

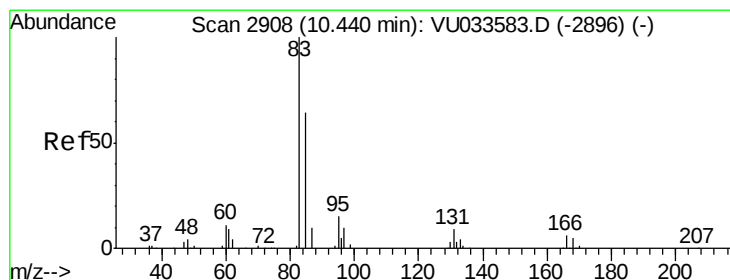
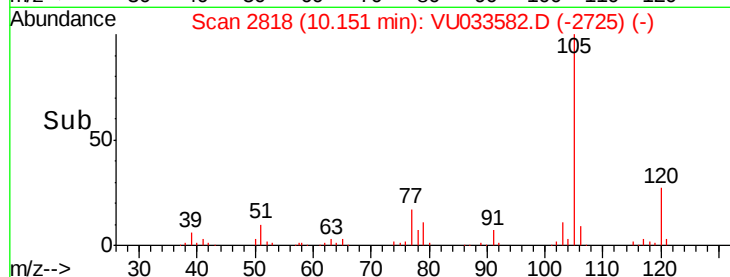
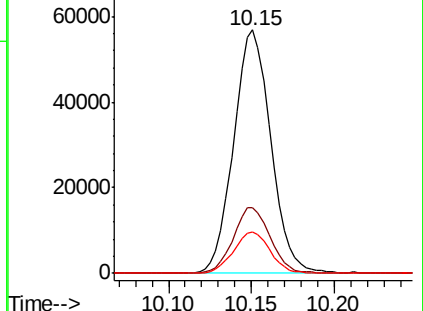
77 16.5 12.6 18.8



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: 11.282 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

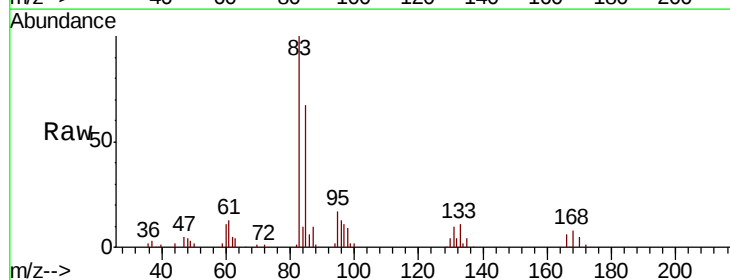
Tgt Ion: 83 Resp: 41556

Ion Ratio Lower Upper

83 100

85 66.5 45.1 83.9

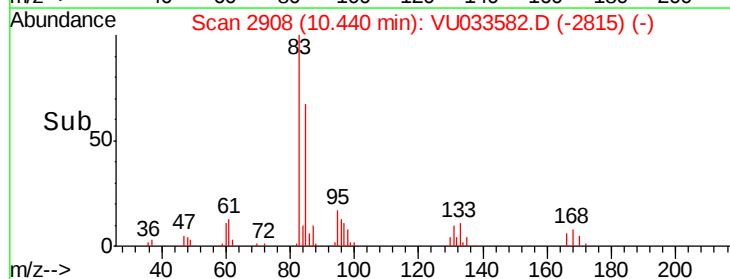
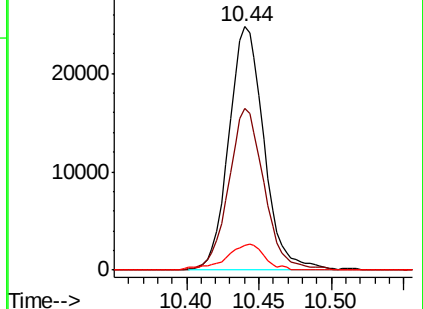
131 9.9 7.4 11.2

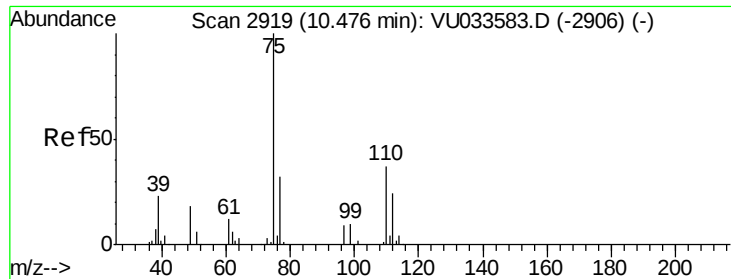


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

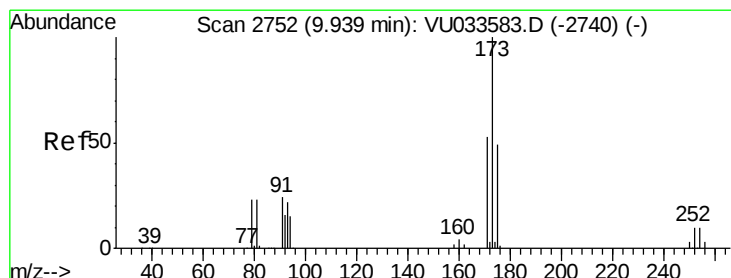
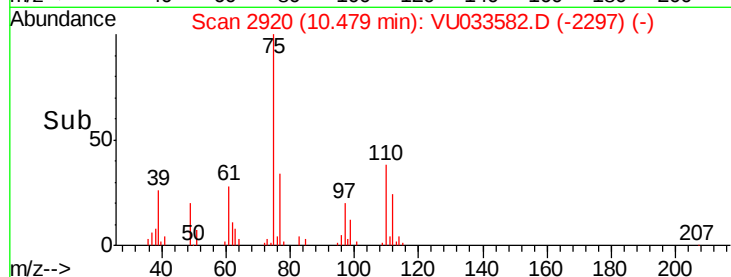
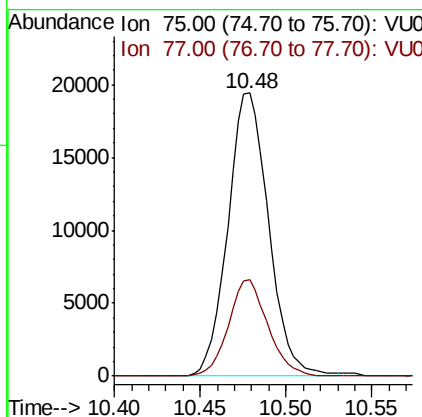
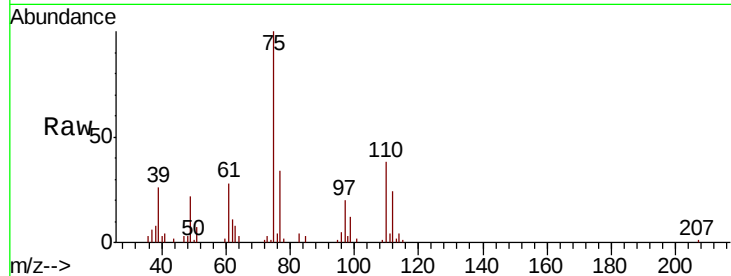




#59
 1,2,3-Trichloropropane
 Concen: 11.284 ug/L
 RT: 10.48 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VU033582.D
 Acq: 03 Aug 2019 10:56

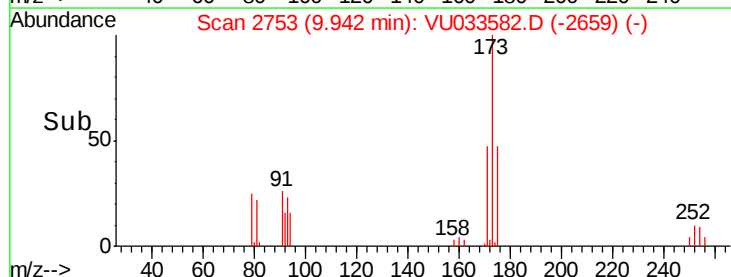
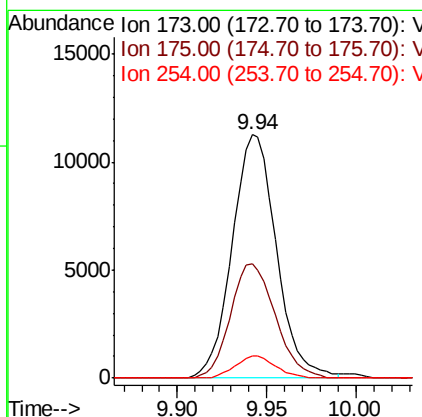
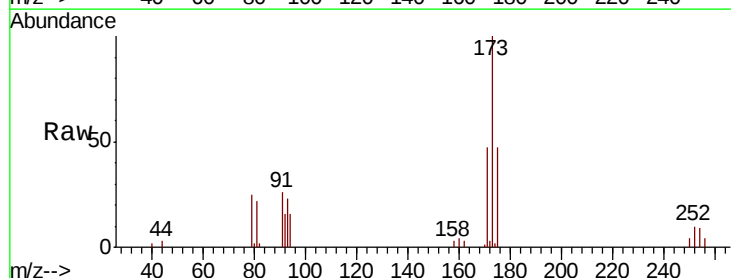
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01036

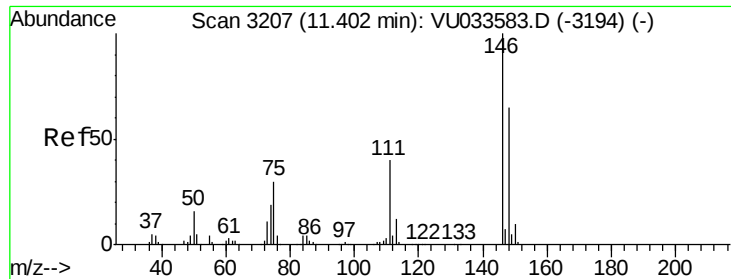
Tgt Ion: 75 Resp: 32128
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.1 37.7



#61
 Bromoform
 Concen: 11.428 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU033582.D
 Acq: 03 Aug 2019 10:56

Tgt Ion: 173 Resp: 19415
 Ion Ratio Lower Upper
 173 100
 175 47.5 39.5 59.3
 254 8.2 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 11.038 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01036

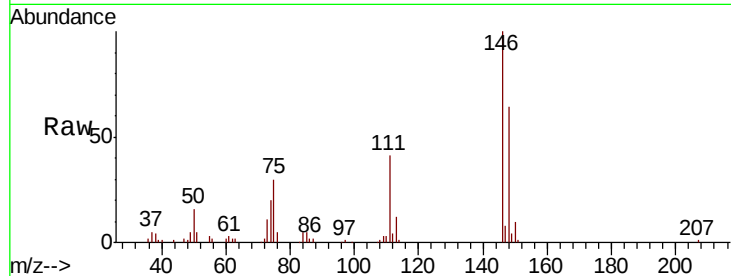
Tgt Ion:146 Resp: 47594

Ion Ratio Lower Upper

146 100

111 40.7 27.7 51.5

148 64.1 45.2 84.0

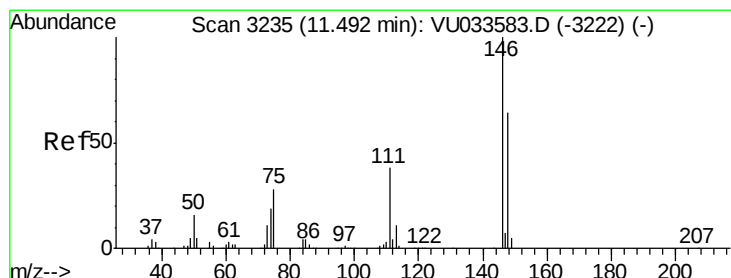
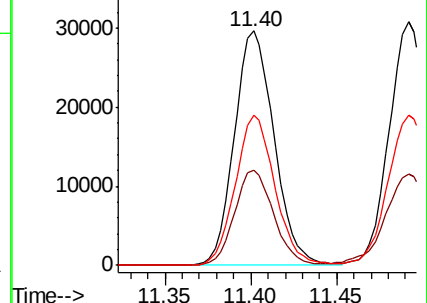
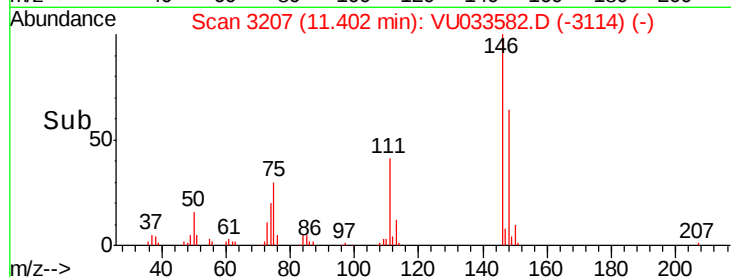


Abundance

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: 11.248 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

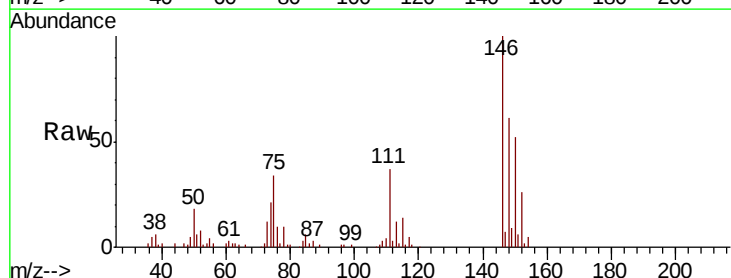
Tgt Ion:146 Resp: 50470

Ion Ratio Lower Upper

146 100

111 37.4 26.8 49.8

148 61.5 45.0 83.6

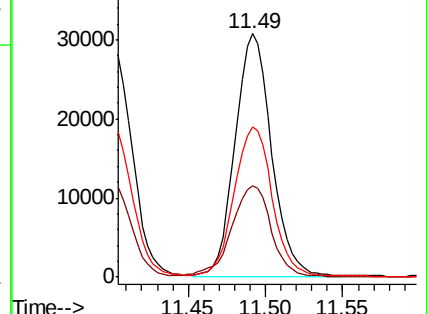
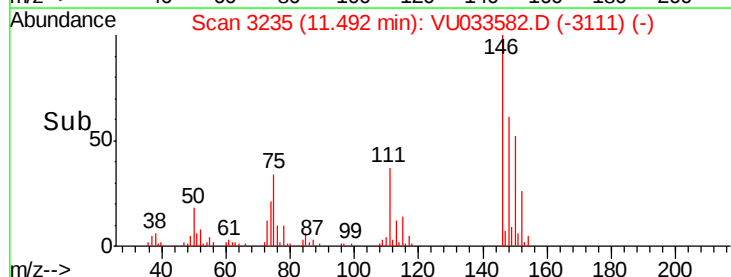


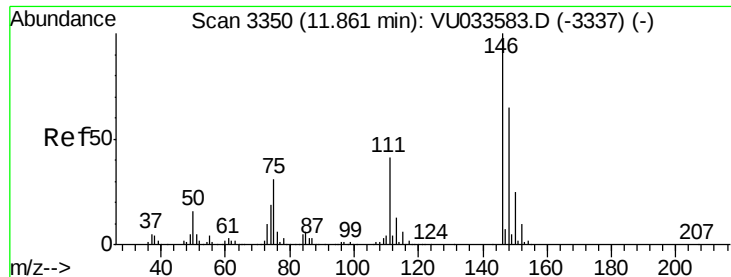
Abundance

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: 10.901 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01036

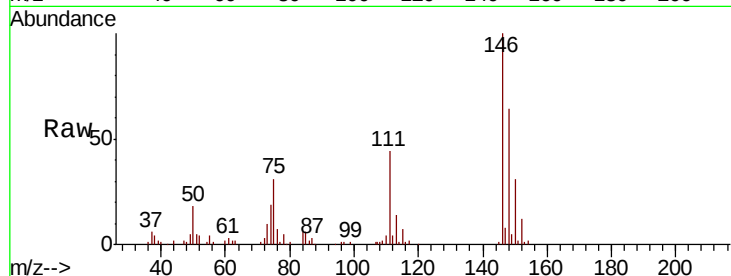
Tgt Ion:146 Resp: 47538

Ion Ratio Lower Upper

146 100

111 43.6 33.1 49.7

148 64.3 52.1 78.1

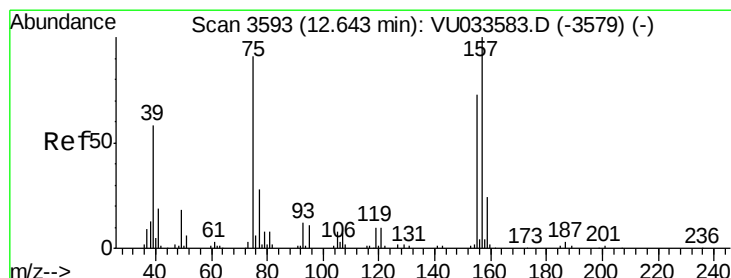
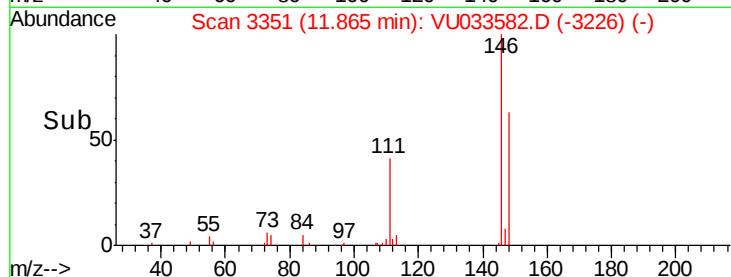
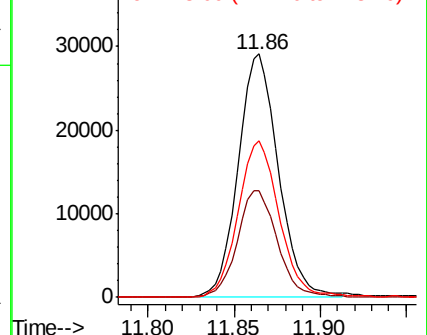


Abundance

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



#66

1,2-Dibromo-3-chloropropane

Concen: 11.688 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. -0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

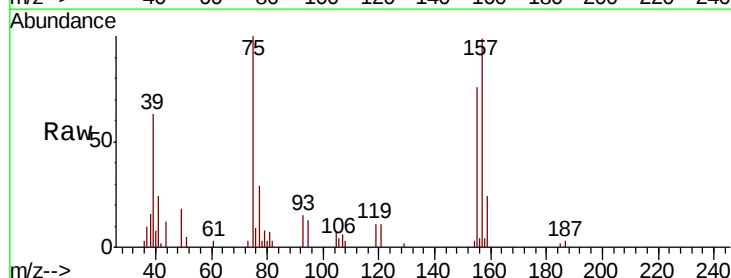
Tgt Ion: 75 Resp: 9558

Ion Ratio Lower Upper

75 100

155 75.9 64.3 96.5

157 99.4 88.0 132.0

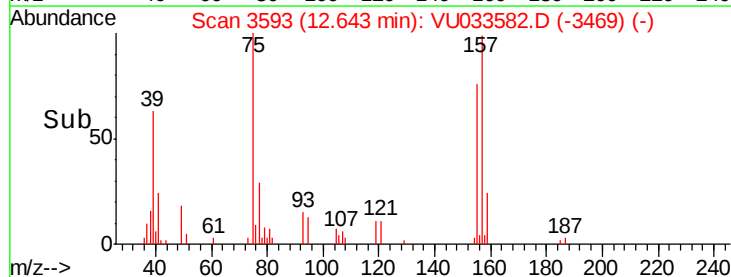
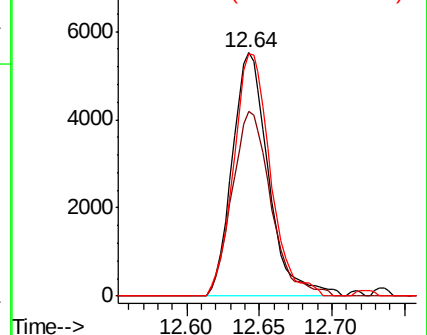


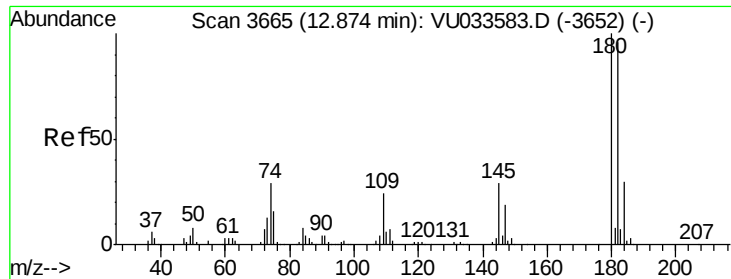
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

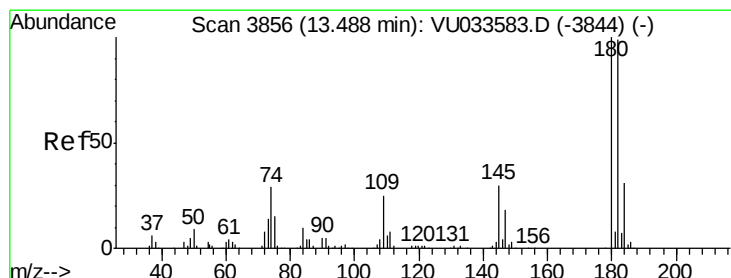
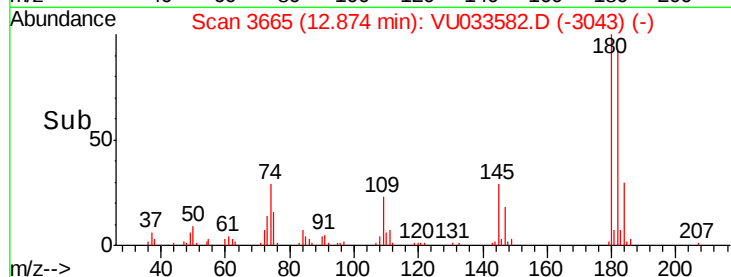
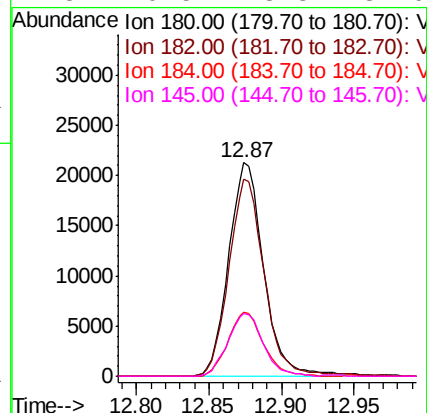
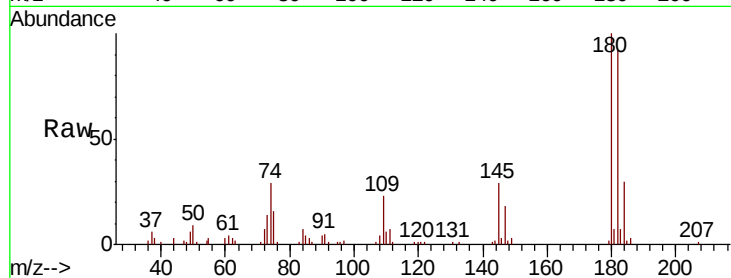




#67
 1,3,5-Trichlorobenzene
 Concen: 10.277 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033582.D
 Acq: 03 Aug 2019 10:56

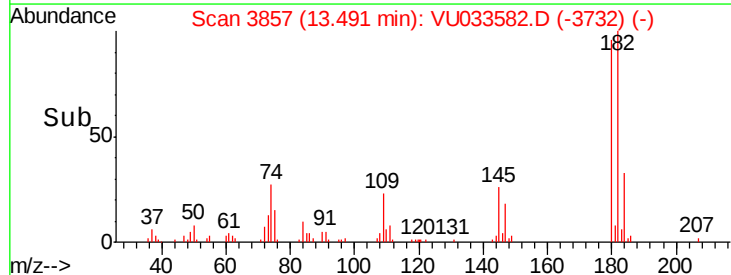
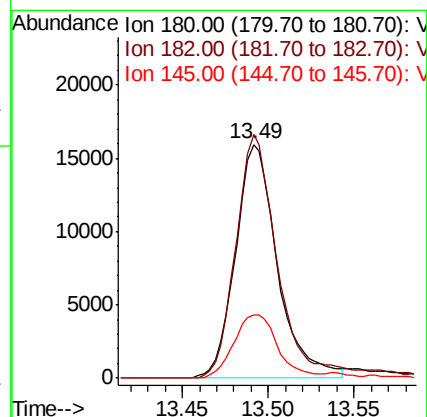
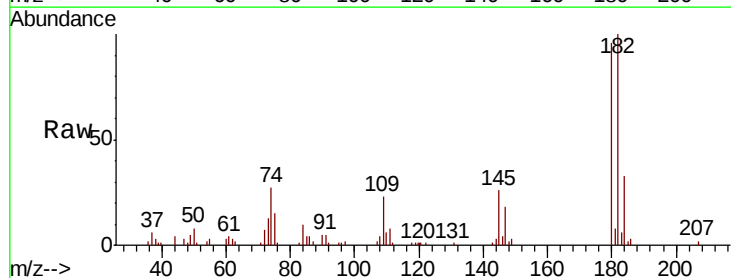
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01036

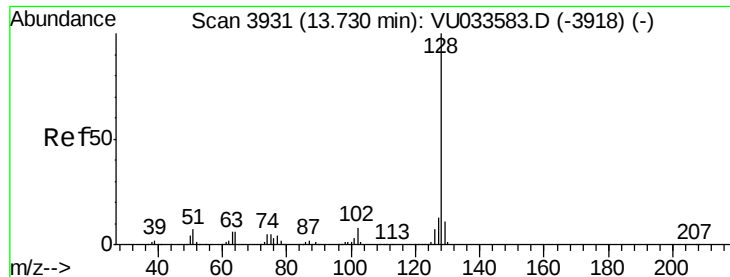
Tgt Ion:	180	Resp:	35586
Ion	Ratio	Lower	Upper
180	100		
182	92.5	76.8	115.2
184	30.3	23.9	35.9
145	29.5	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 9.156 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033582.D
 Acq: 03 Aug 2019 10:56

Tgt Ion:	180	Resp:	27032
Ion	Ratio	Lower	Upper
180	100		
182	103.0	77.2	115.8
145	28.2	23.6	35.4





#69

Naphthalene

Concen: 8.799 ug/L

RT: 13.73 min Scan# 3932

Delta R.T. 0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01036

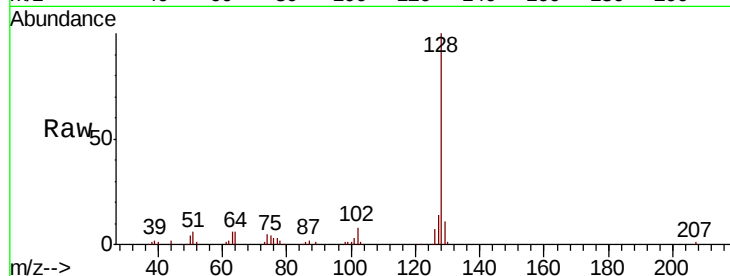
Tgt Ion:128 Resp: 74692

Ion Ratio Lower Upper

128 100

127 12.3 10.6 16.0

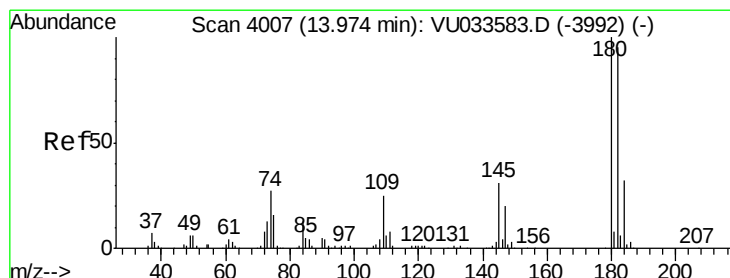
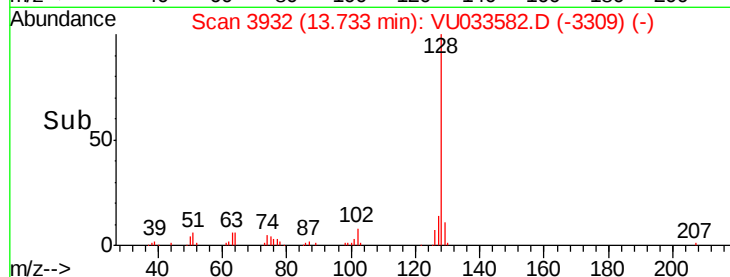
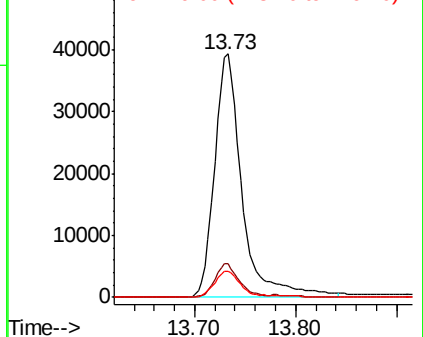
129 10.0 8.9 13.3



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: 9.625 ug/L

RT: 13.98 min Scan# 4008

Delta R.T. 0.00 min

Lab File: VU033582.D

Acq: 03 Aug 2019 10:56

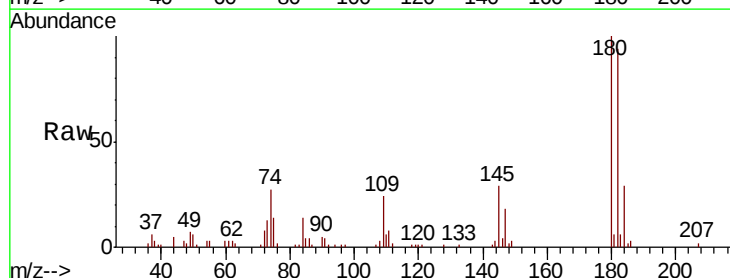
Tgt Ion:180 Resp: 29874

Ion Ratio Lower Upper

180 100

182 95.3 76.5 114.7

145 30.2 24.7 37.1



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

