

Data File : VU036352.D
Acq On : 27 Dec 2019 13:06
Operator : JC/MD
Sample : VSTD050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Quant Time: Dec 27 13:45:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 25 02:22:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	544339	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	521696	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	252620	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	203672	36.26	ug/L	0.00
7) Chloroethane-d5	1.93	69	170664	35.35	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	342152	44.42	ug/L	0.00
21) 2-Butanone-d5	4.68	46	307391	111.29	ug/L	0.00
24) Chloroform-d	5.11	84	361010	44.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	234453	44.60	ug/L	0.00
32) Benzene-d6	5.77	84	704148	48.22	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	231341	50.31	ug/L	0.00
41) Toluene-d8	7.93	98	674371	49.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	125421	56.24	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	238460	129.57	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	354602	49.28	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	250168	47.89	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	207072	38.057	ug/L	99
3) Chloromethane	1.54	50	196989	34.448	ug/L	100
5) Vinyl chloride	1.62	62	215496	35.652	ug/L	99
6) Bromomethane	1.87	94	107042	30.316	ug/L	95
8) Chloroethane	1.95	64	131151	36.763	ug/L	98
9) Trichlorofluoromethane	2.16	101	305531	39.324	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	153833	41.367	ug/L	89
12) 1,1-Dichloroethene	2.61	96	150514	42.614	ug/L	94
13) Acetone	2.66	43	296843	89.907	ug/L	98
14) Carbon disulfide	2.82	76	462815	41.676	ug/L	98
15) Methyl Acetate	2.99	43	212217	48.268	ug/L	96
16) Methylene chloride	3.08	84	185335	42.220	ug/L	92
17) trans-1,2-Dichloroethene	3.39	96	166127	44.652	ug/L	99
18) Methyl tert-butyl Ether	3.41	73	587038	52.820	ug/L	98
19) 1,1-Dichloroethane	3.92	63	324652	45.137	ug/L	96
20) cis-1,2-Dichloroethene	4.72	96	195577	46.961	ug/L	# 96
22) 2-Butanone	4.76	43	370749	106.244	ug/L	94
23) Bromochloromethane	5.02	128	95901	41.618	ug/L	88
25) Chloroform	5.13	83	342335	44.228	ug/L	98
27) 1,2-Dichloroethane	5.84	62	266003	44.357	ug/L	98
29) Cyclohexane	5.43	56	292809	57.950	ug/L	95
30) 1,1,1-Trichloroethane	5.36	97	306734	52.194	ug/L	100
31) Carbon tetrachloride	5.57	117	265747	50.647	ug/L	99
33) Benzene	5.82	78	734196	49.452	ug/L	100
34) Trichloroethene	6.58	95	190530	50.367	ug/L	95
35) Methylcyclohexane	6.80	83	301335	54.998	ug/L	98
37) 1,2-Dichloropropane	6.83	63	199000	51.470	ug/L	98
38) Bromodichloromethane	7.14	83	279155	53.557	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	321923	55.299	ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	658466	131.857	ug/L	96

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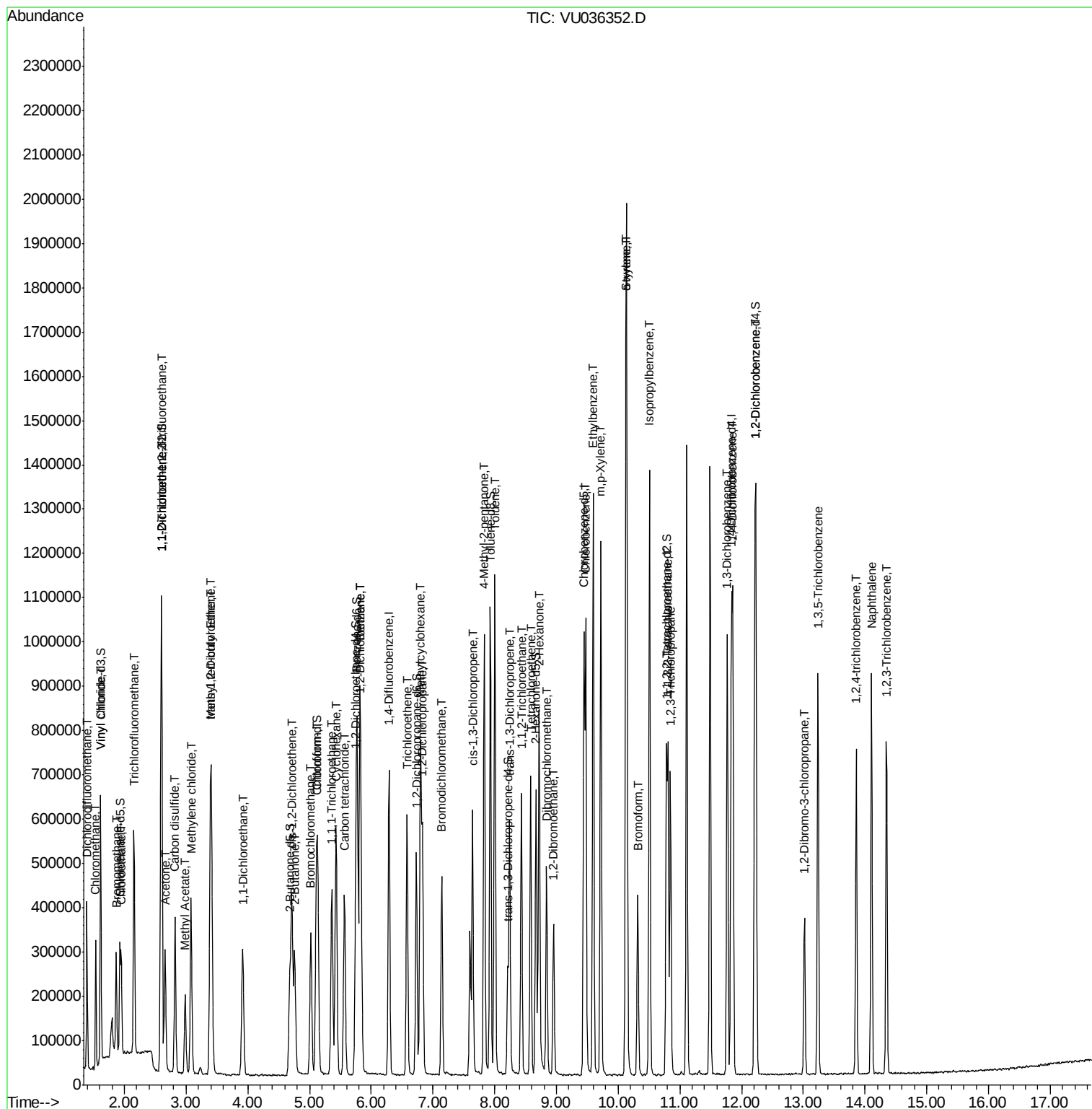
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	798725	50.699	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	305459	56.186	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	188171	48.632	ug/L	97
46) Tetrachloroethene	8.58	164	135454	41.562	ug/L	92
48) 2-Hexanone	8.72	43	526706	126.411	ug/L	91
49) Dibromochloromethane	8.84	129	225826	50.624	ug/L	98
50) 1,2-Dibromoethane	8.96	107	214940	51.440	ug/L	98
51) Chlorobenzene	9.47	112	506295	47.818	ug/L	97
52) Ethylbenzene	9.60	91	909140	54.659	ug/L	98
53) m,p-Xylene	9.72	106	339311	52.812	ug/L	94
54) o-xylene	10.13	106	334581	53.941	ug/L	91
55) Styrene	10.14	104	575205	53.421	ug/L	94
56) Isopropylbenzene	10.51	105	881998	54.906	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	343030	50.830	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	271419	49.256	ug/L	99
61) Bromoform	10.32	173	171831	50.813	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	379811	48.989	ug/L	95
63) 1,4-Dichlorobenzene	11.86	146	378185	47.477	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	384103	48.405	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	86531	61.756	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	257769	46.323	ug/L	97
68) 1,2,4-trichlorobenzene	13.86	180	197720	48.443	ug/L	97
69) Naphthalene	14.10	128	685711	62.927	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	207203	47.480	ug/L	97

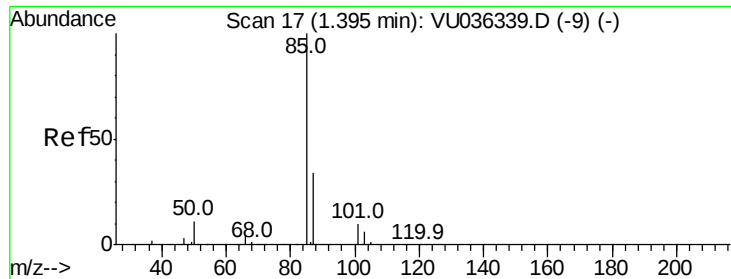
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 38.057 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

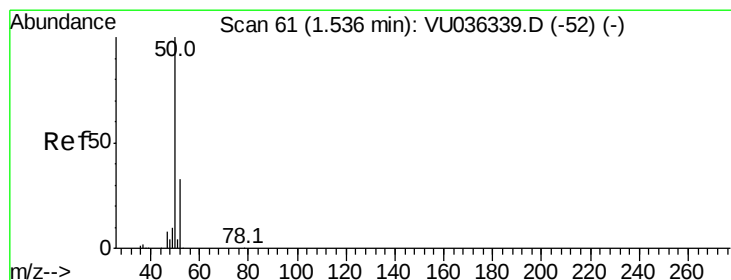
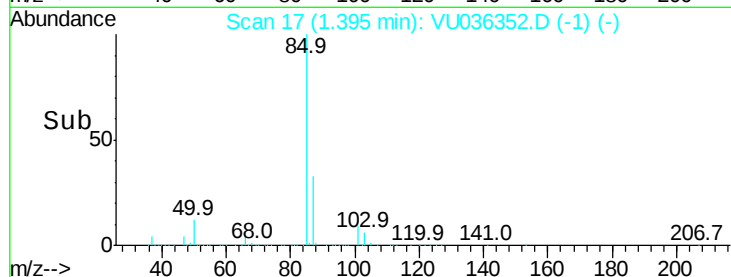
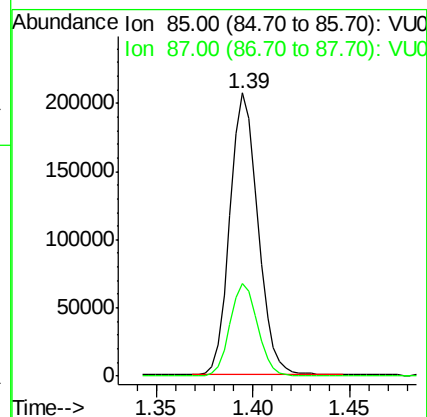
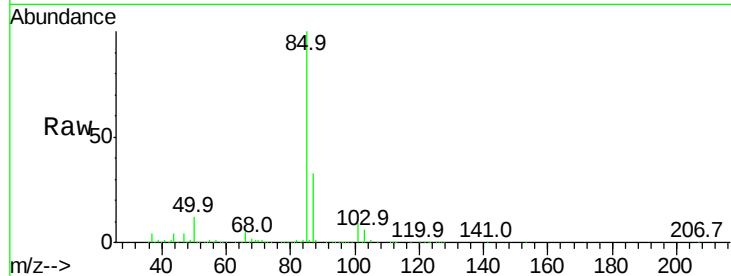
VSTD05034

Tgt Ion: 85 Resp: 207072

Ion Ratio Lower Upper

85 100

87 32.6 26.6 39.8



#3

Chloromethane

Concen: 34.448 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036352.D

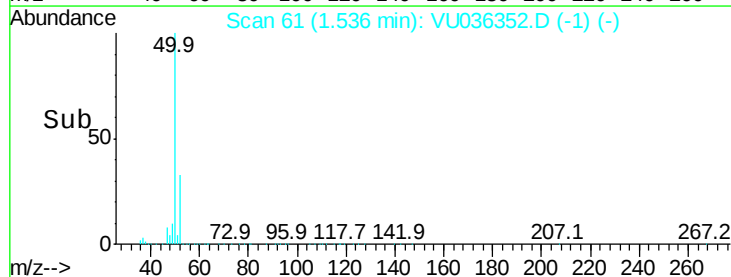
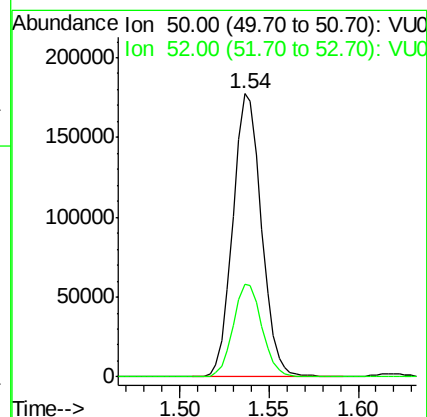
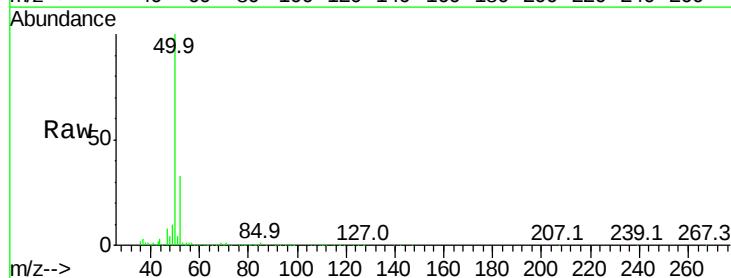
Acq: 27 Dec 2019 13:06

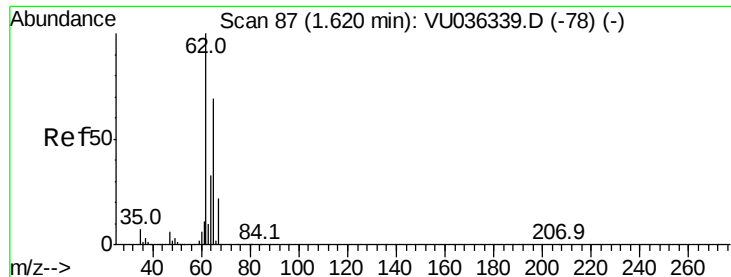
Tgt Ion: 50 Resp: 196989

Ion Ratio Lower Upper

50 100

52 32.8 23.1 42.9





#5

Vinyl chloride

Concen: 35.652 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

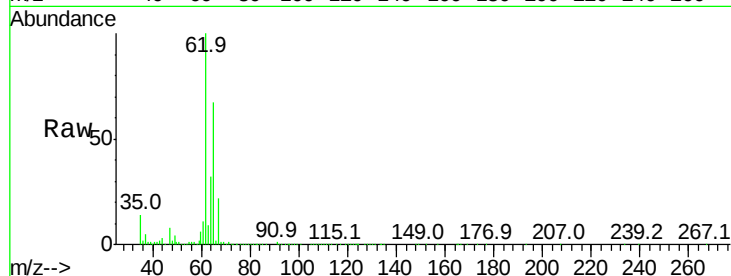
VSTD05034

Tgt Ion: 62 Resp: 215496

Ion Ratio Lower Upper

62 100

64 32.5 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU036339.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036339.D (-78) (-)

1.62

200000

150000

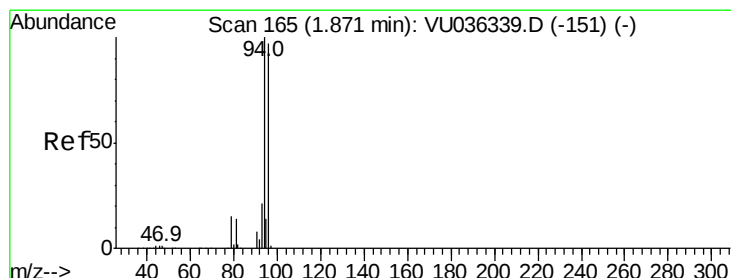
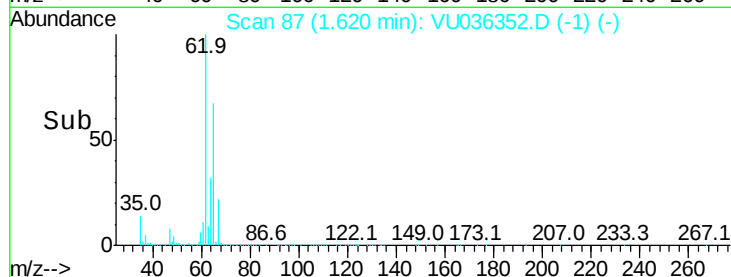
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 30.316 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU036352.D

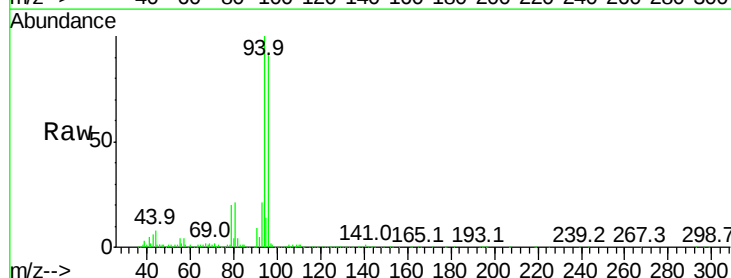
Acq: 27 Dec 2019 13:06

Tgt Ion: 94 Resp: 107042

Ion Ratio Lower Upper

94 100

96 92.1 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VU036339.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU036339.D (-151) (-)

1.87

80000

60000

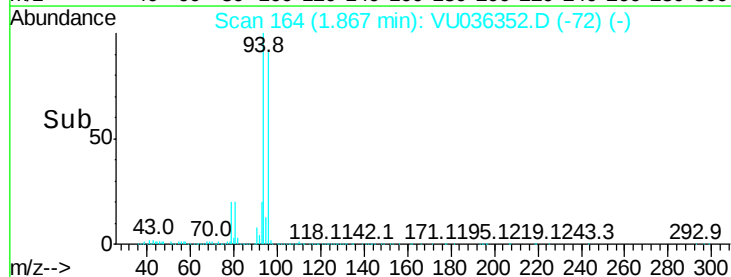
40000

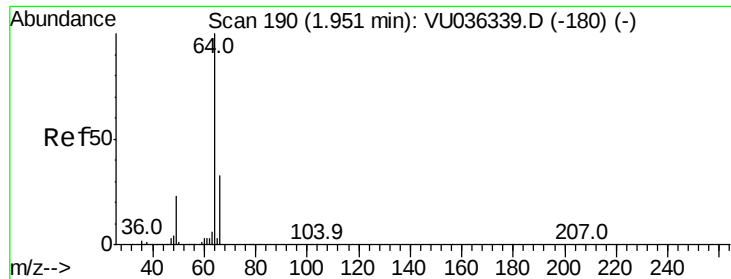
20000

0

1.85 1.90

Time-->





#8

Chloroethane

Concen: 36.763 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

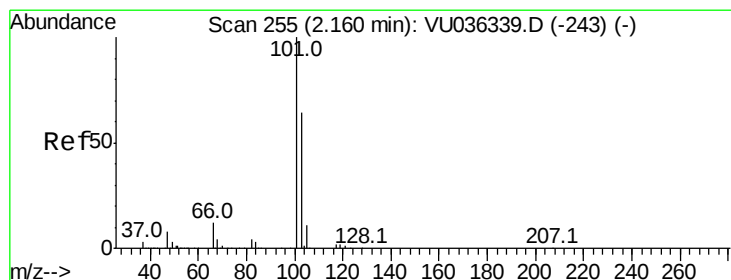
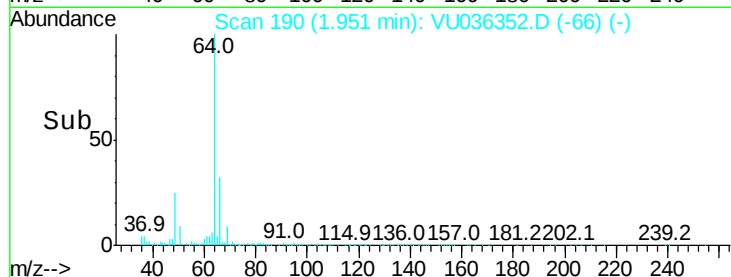
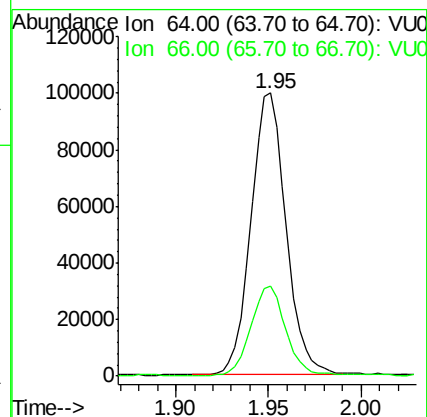
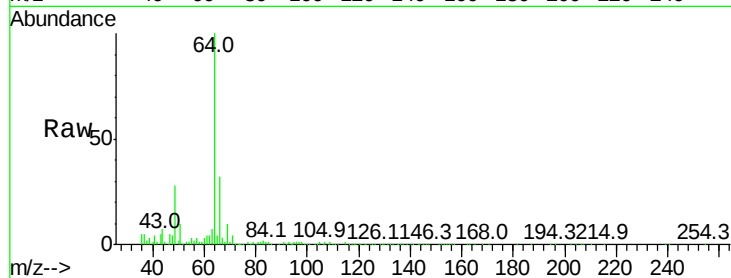
VSTD05034

Tgt Ion: 64 Resp: 131151

Ion Ratio Lower Upper

64 100

66 31.8 22.9 42.5



#9

Trichlorofluoromethane

Concen: 39.324 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036352.D

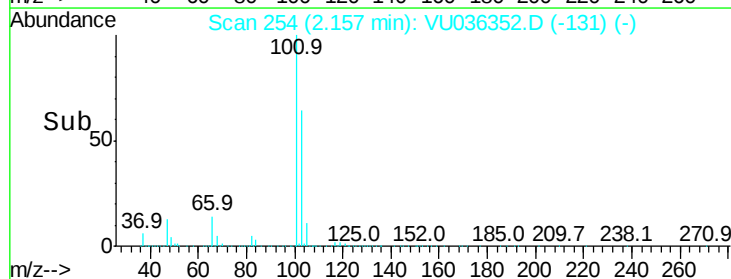
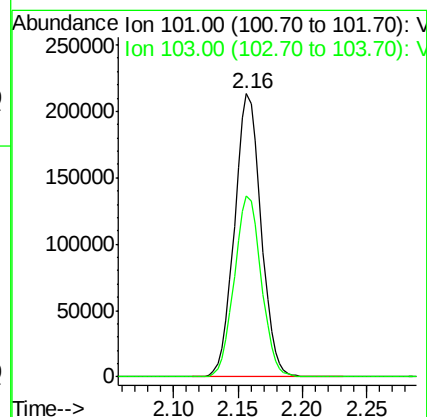
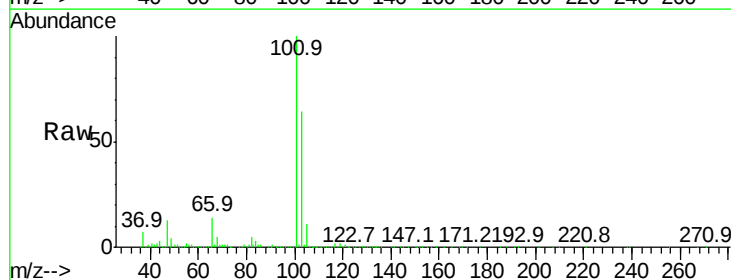
Acq: 27 Dec 2019 13:06

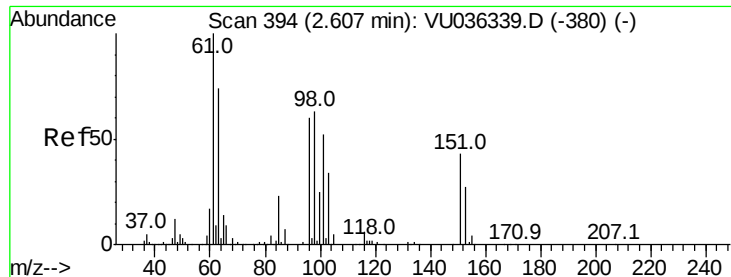
Tgt Ion: 101 Resp: 305531

Ion Ratio Lower Upper

101 100

103 64.5 51.3 76.9





#10

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

Concen: 41.367 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

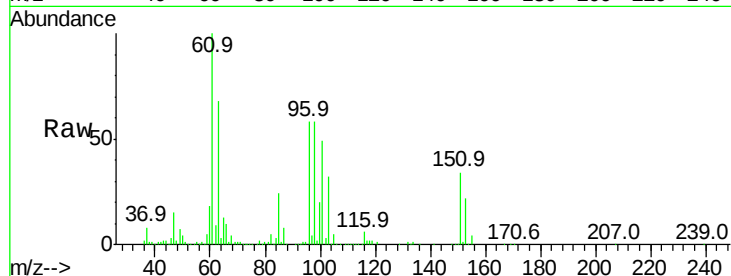
Tgt Ion:101 Resp: 153833

Ion Ratio Lower Upper

101 100

85 46.4 34.3 51.5

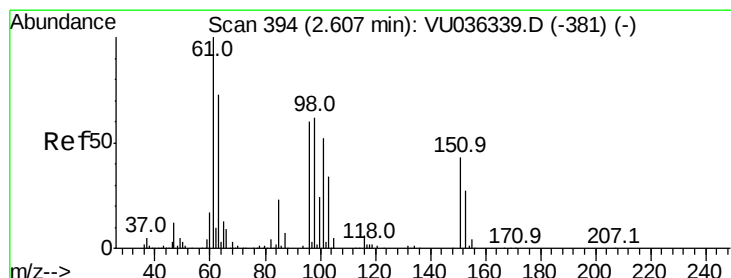
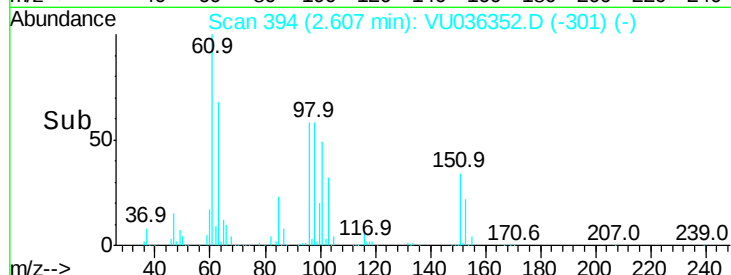
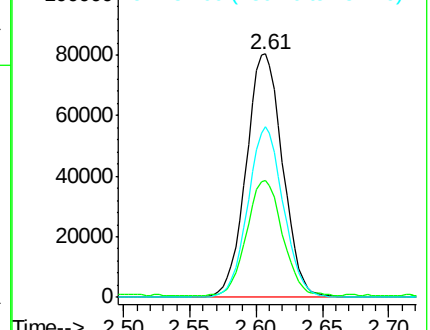
151 67.9 64.3 96.5



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: 42.614 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

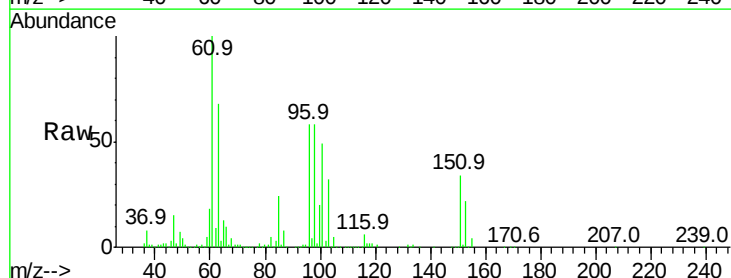
Tgt Ion: 96 Resp: 150514

Ion Ratio Lower Upper

96 100

61 172.7 117.7 218.5

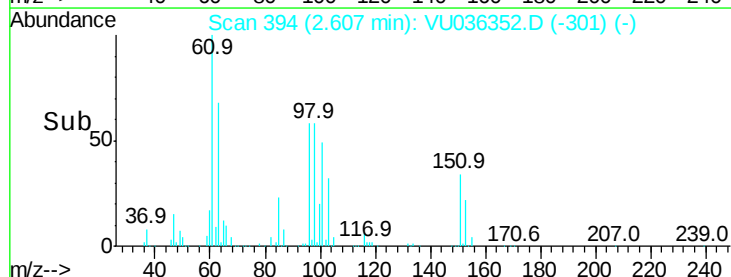
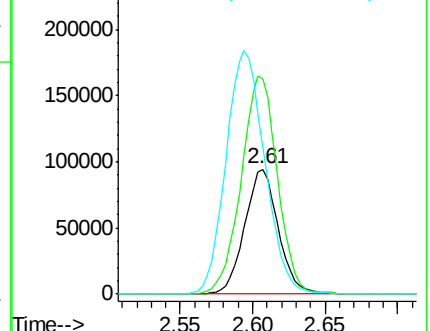
63 116.9 88.8 164.8

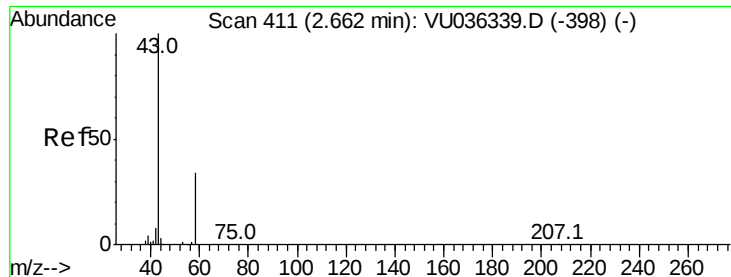


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 89.907 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

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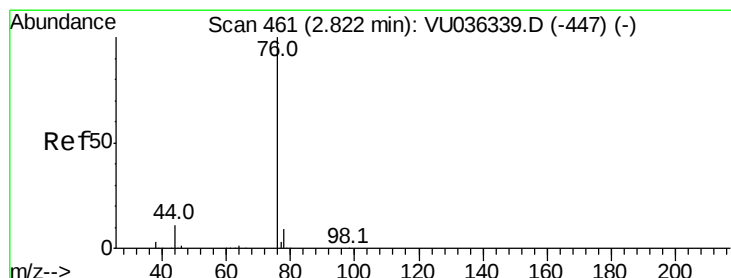
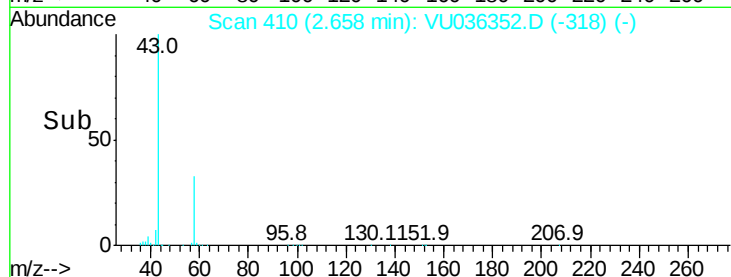
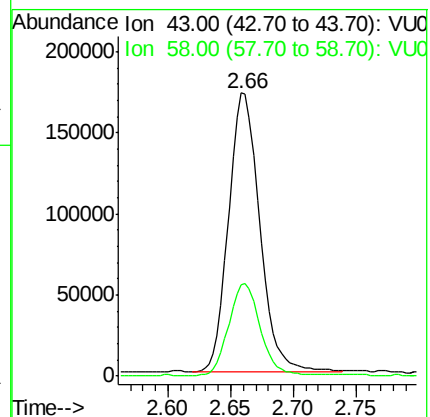
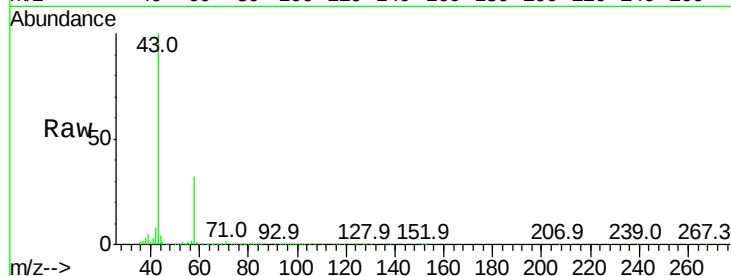
VSTD05034

Tgt Ion: 43 Resp: 296843

Ion Ratio Lower Upper

43 100

58 33.1 0.0 68.6



#14

Carbon disulfide

Concen: 41.676 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036352.D

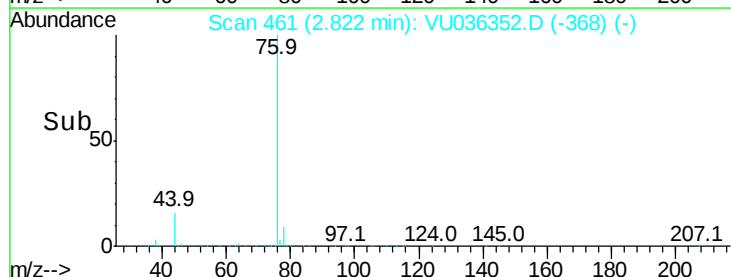
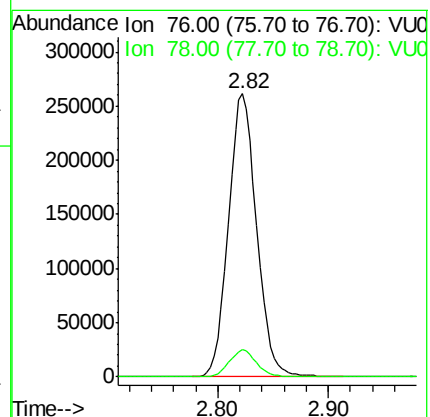
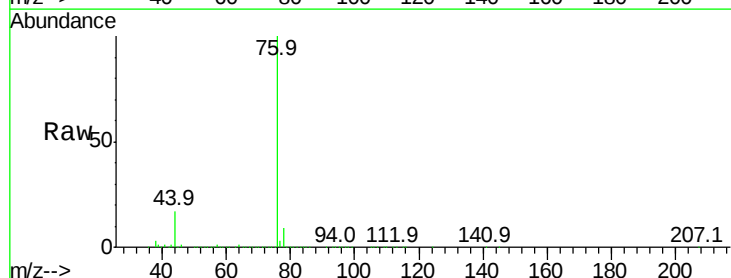
Acq: 27 Dec 2019 13:06

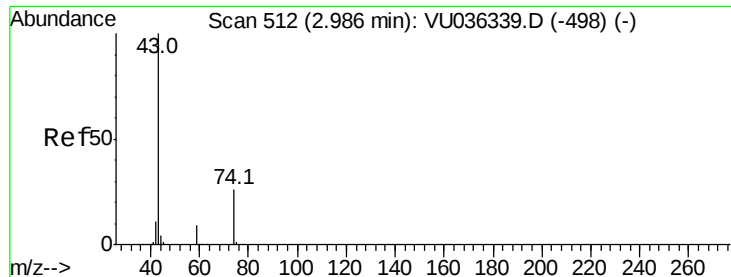
Tgt Ion: 76 Resp: 462815

Ion Ratio Lower Upper

76 100

78 9.5 6.9 10.3

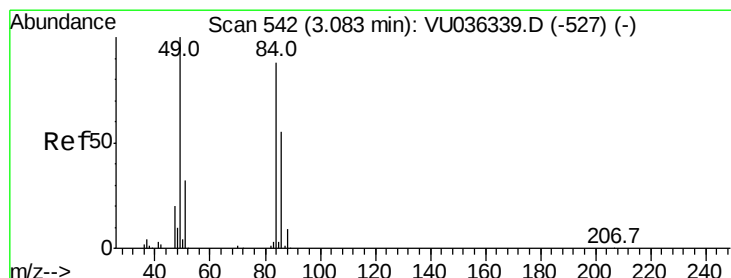
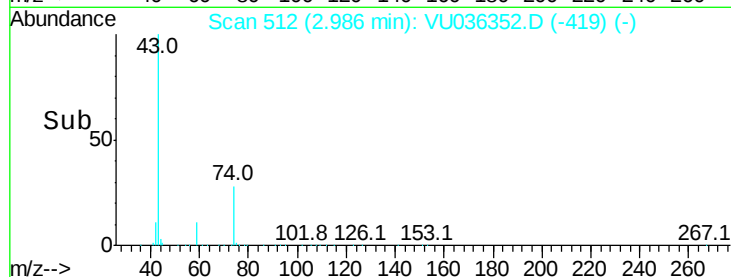
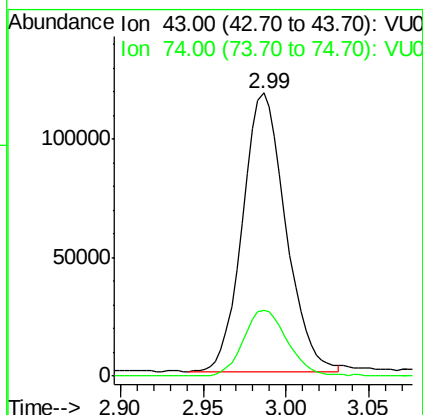
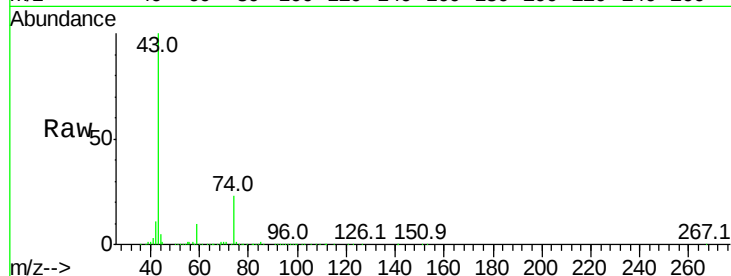




#15
Methyl Acetate
Concen: 48.268 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU036352.D
Acq: 27 Dec 2019 13:06

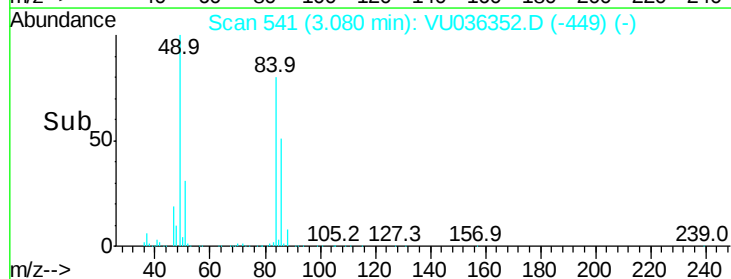
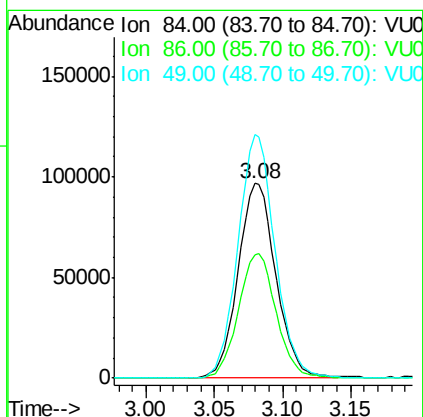
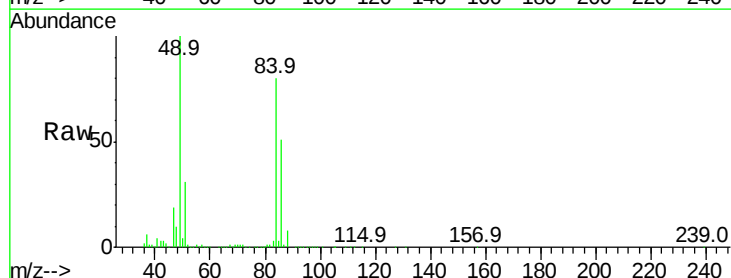
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

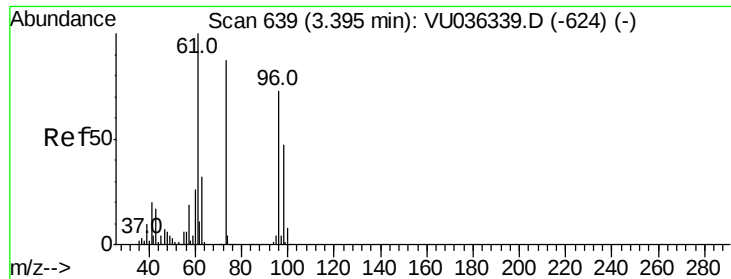
Tgt Ion: 43 Resp: 212217
Ion Ratio Lower Upper
43 100
74 24.3 21.2 31.8



#16
Methylene chloride
Concen: 42.220 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036352.D
Acq: 27 Dec 2019 13:06

Tgt Ion: 84 Resp: 185335
Ion Ratio Lower Upper
84 100
86 63.7 43.6 81.0
49 125.1 79.4 147.4

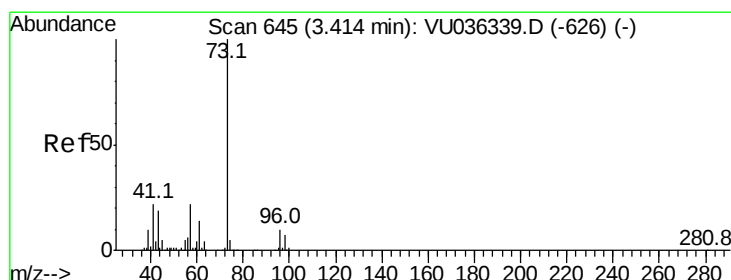
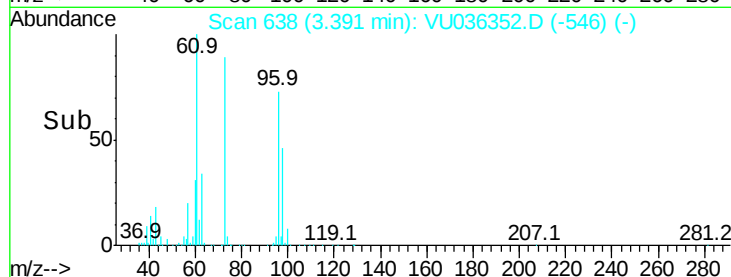
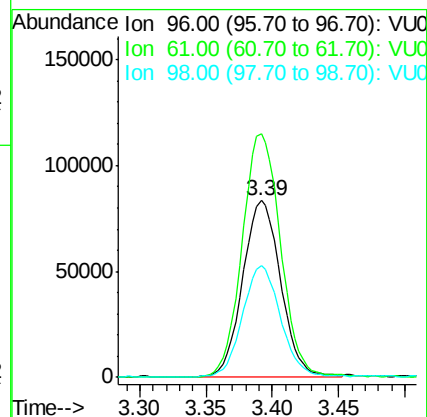
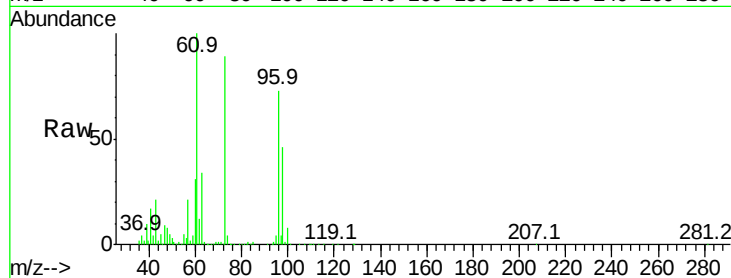




#17
 trans-1,2-Dichloroethene
 Concen: 44.652 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VU036352.D
 Acq: 27 Dec 2019 13:06

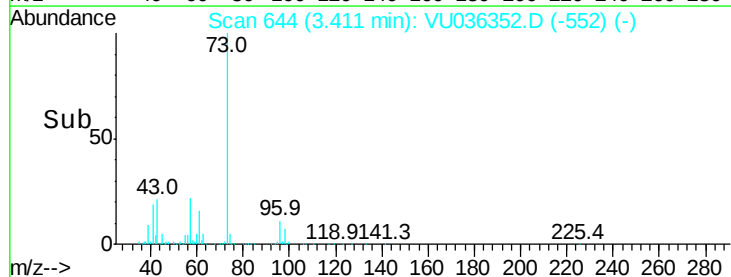
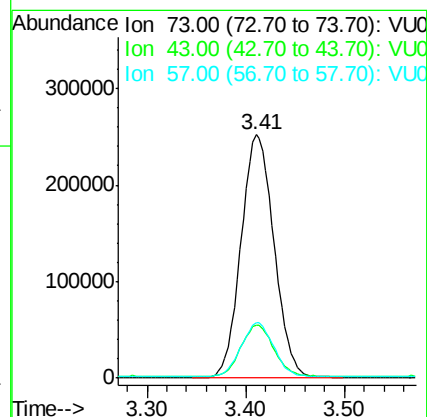
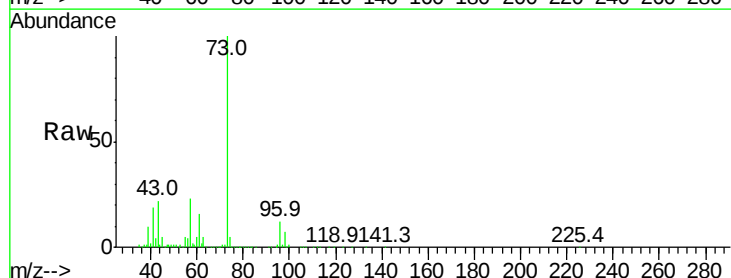
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

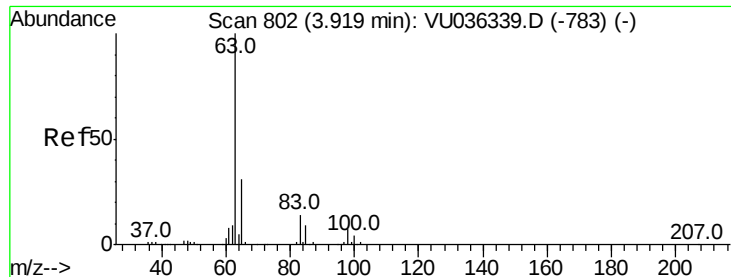
Tgt Ion: 96 Resp: 166127
 Ion Ratio Lower Upper
 96 100
 61 137.5 95.9 178.1
 98 63.2 45.1 83.7



#18
 Methyl tert-butyl Ether
 Concen: 52.820 ug/L
 RT: 3.41 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: VU036352.D
 Acq: 27 Dec 2019 13:06

Tgt Ion: 73 Resp: 587038
 Ion Ratio Lower Upper
 73 100
 43 20.4 15.1 22.7
 57 22.1 17.3 25.9





#19

1,1-Dichloroethane

Concen: 45.137 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

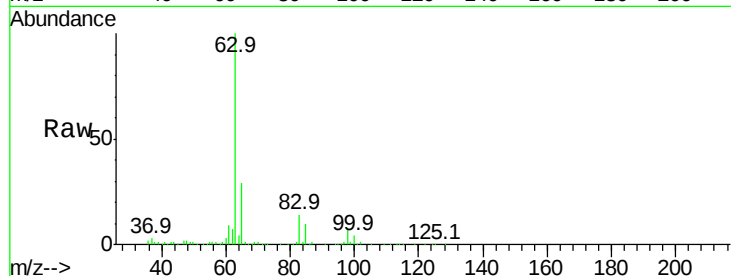
Tgt Ion: 63 Resp: 324652

Ion Ratio Lower Upper

63 100

65 28.6 22.0 40.8

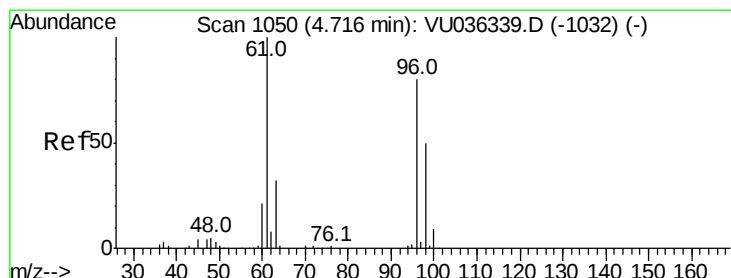
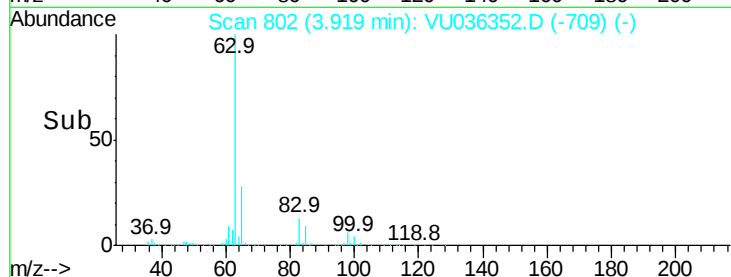
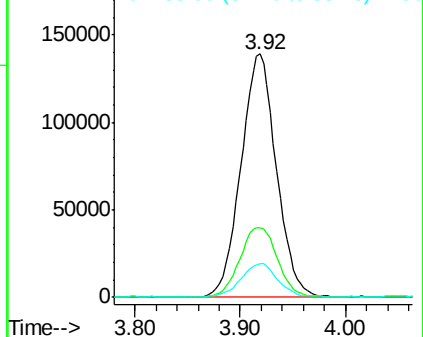
83 13.7 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 46.961 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

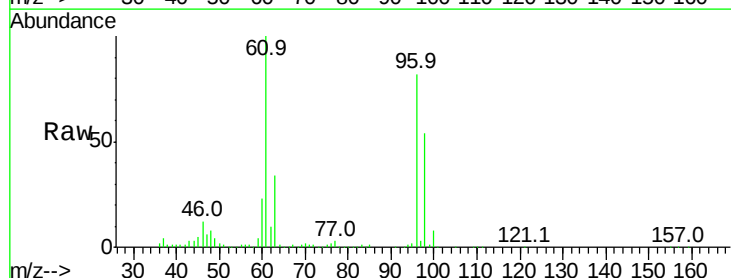
Tgt Ion: 96 Resp: 195577

Ion Ratio Lower Upper

96 100

61 121.6 88.1 163.7

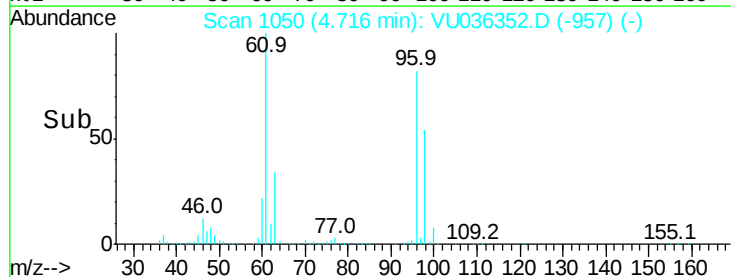
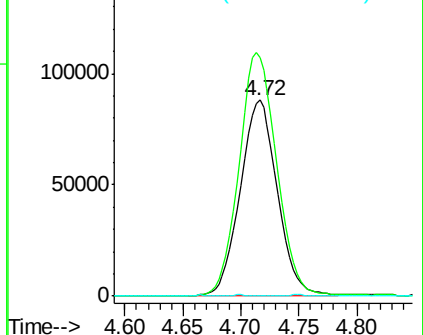
68 0.2 0.0 0.0#

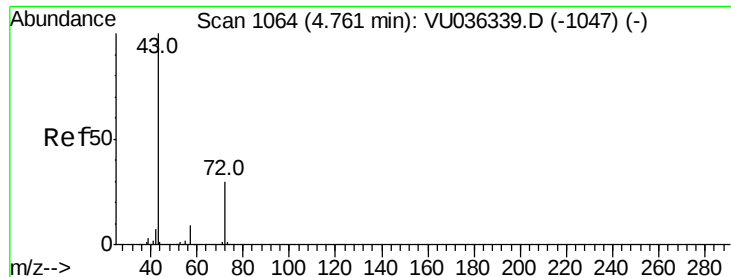


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 106.244 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

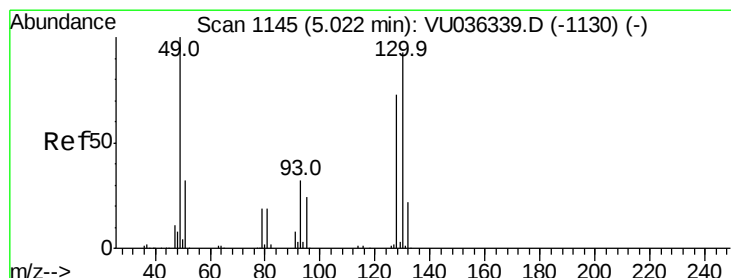
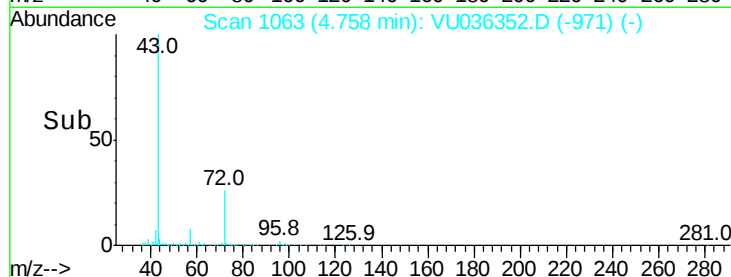
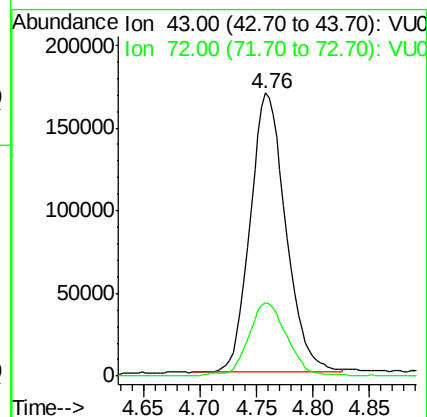
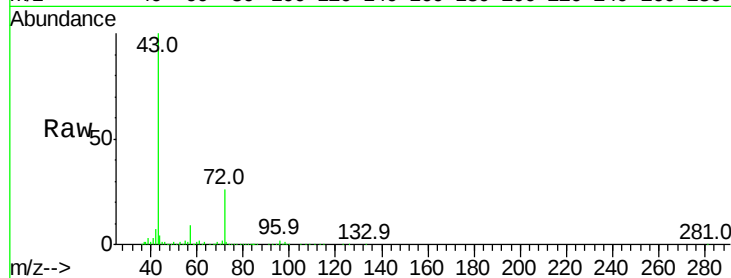
VSTD05034

Tgt Ion: 43 Resp: 370749

Ion Ratio Lower Upper

43 100

72 26.7 15.0 45.0



#23

Bromochloromethane

Concen: 41.618 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Tgt Ion: 128 Resp: 95901

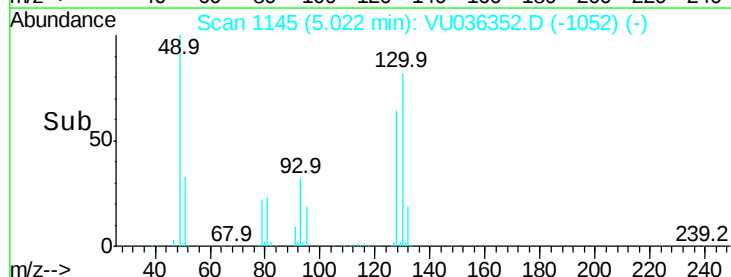
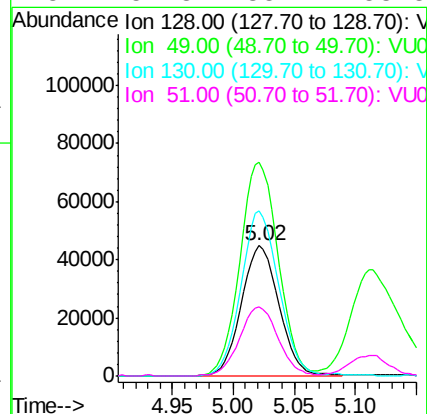
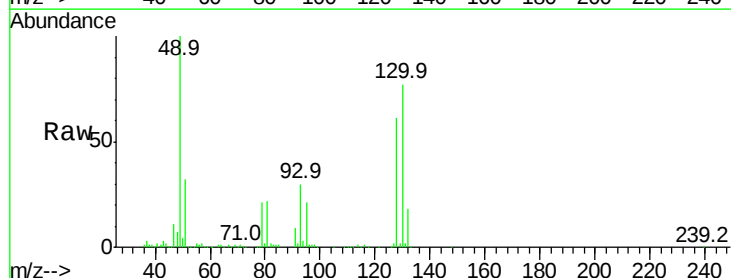
Ion Ratio Lower Upper

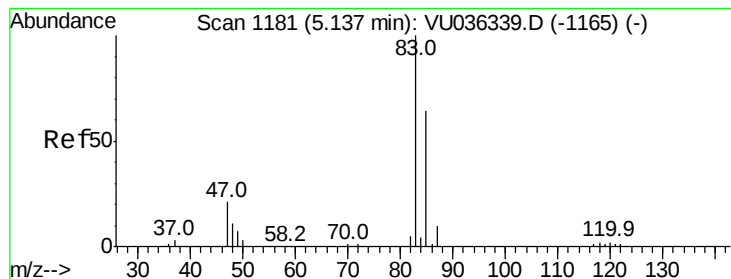
128 100

49 164.3 96.7 179.7

130 127.3 89.9 166.9

51 52.8 35.7 53.5





#25

Chloroform

Concen: 44.228 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

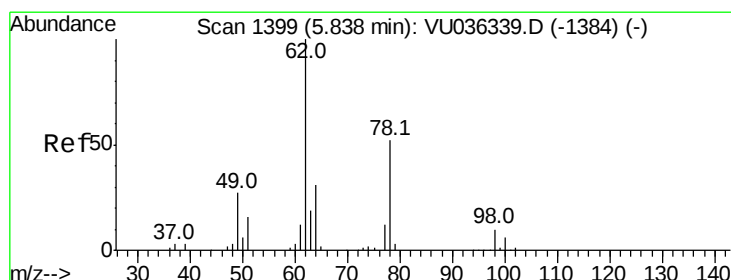
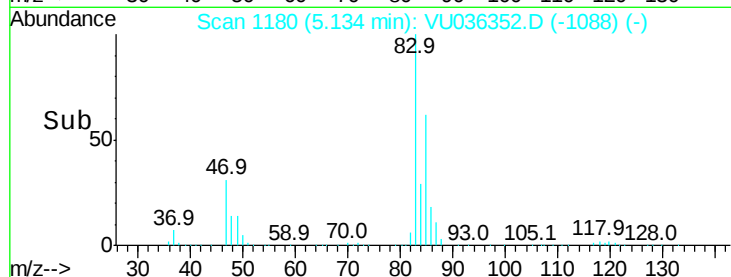
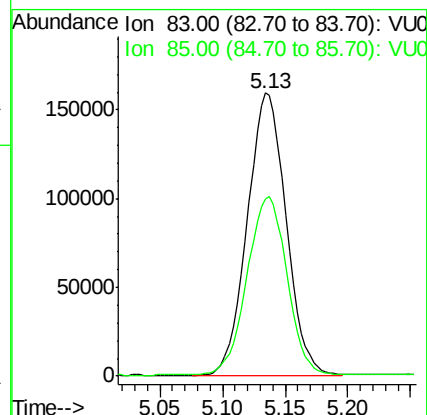
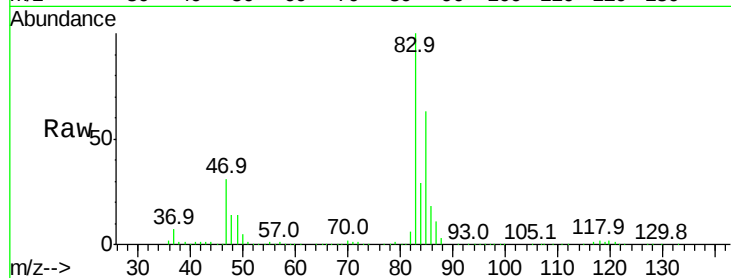
VSTD05034

Tgt Ion: 83 Resp: 342335

Ion Ratio Lower Upper

83 100

85 62.7 45.1 83.7



#27

1,2-Dichloroethane

Concen: 44.357 ug/L

RT: 5.84 min Scan# 1399

Delta R.T. -0.00 min

Lab File: VU036352.D

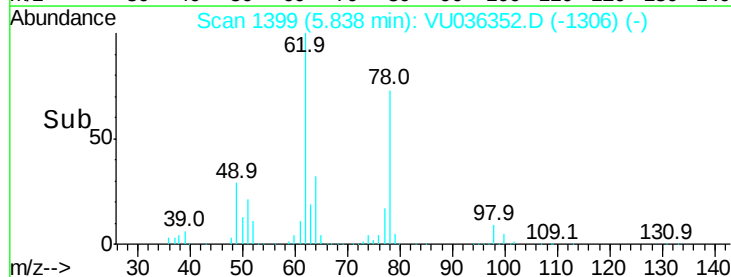
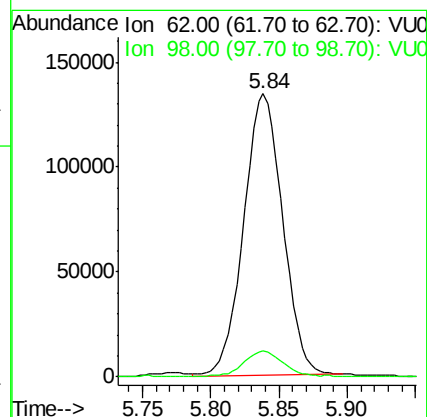
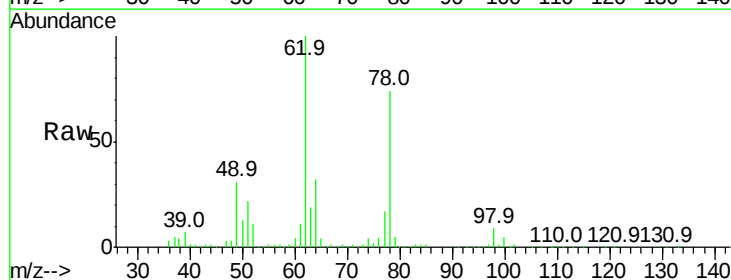
Acq: 27 Dec 2019 13:06

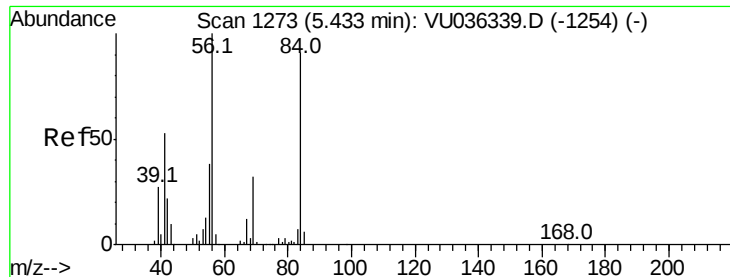
Tgt Ion: 62 Resp: 266003

Ion Ratio Lower Upper

62 100

98 9.1 7.8 11.8

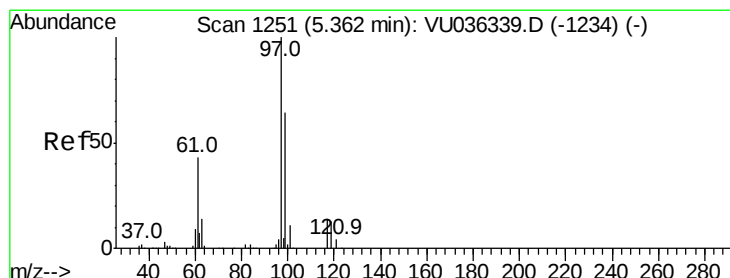
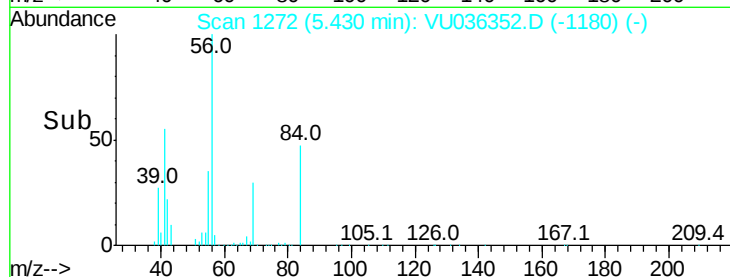
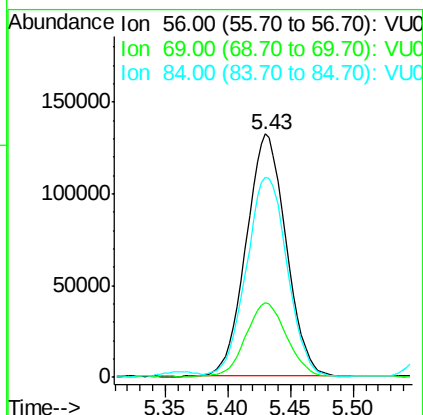
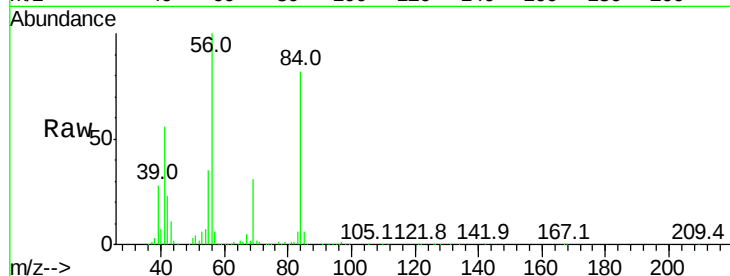




#29
Cyclohexane
Concen: 57.950 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036352.D
Acq: 27 Dec 2019 13:06

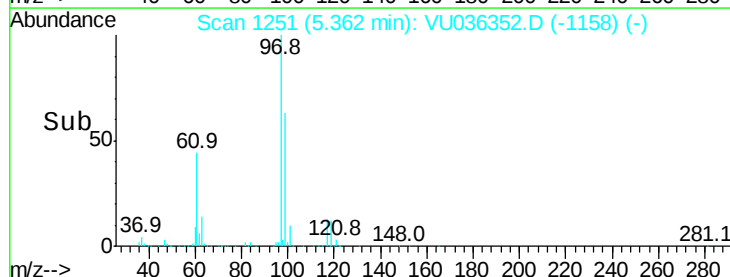
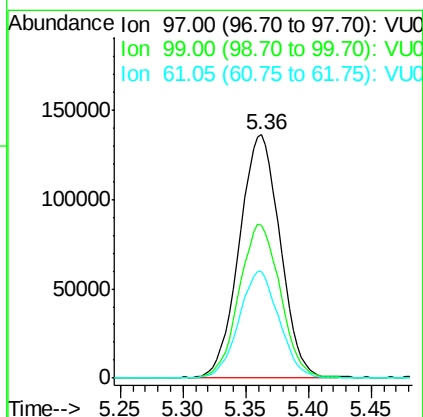
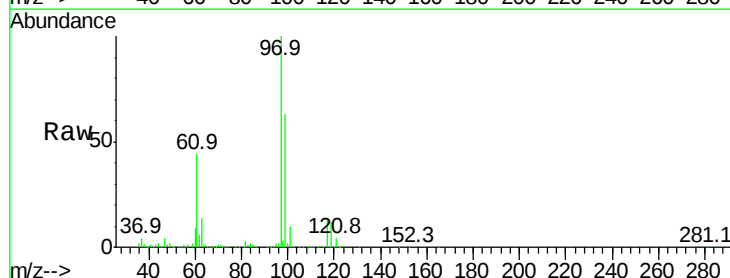
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

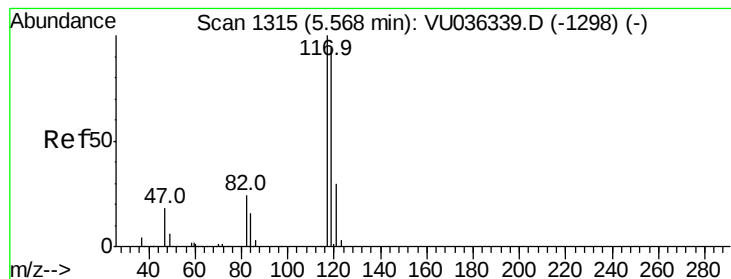
Tgt Ion: 56 Resp: 292809
Ion Ratio Lower Upper
56 100
69 31.0 25.4 38.0
84 84.3 72.1 108.1



#30
1,1,1-Trichloroethane
Concen: 52.194 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU036352.D
Acq: 27 Dec 2019 13:06

Tgt Ion: 97 Resp: 306734
Ion Ratio Lower Upper
97 100
99 63.7 51.3 76.9
61 43.4 34.7 52.1





#31

Carbon tetrachloride

Concen: 50.647 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

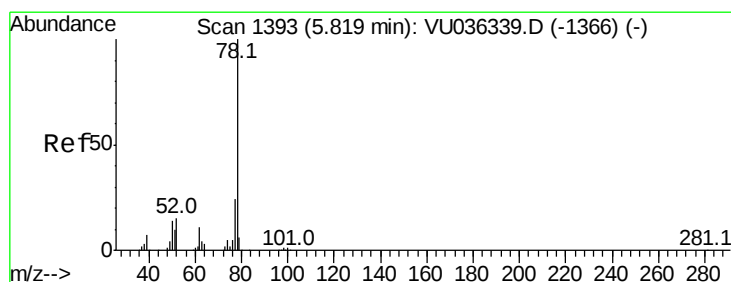
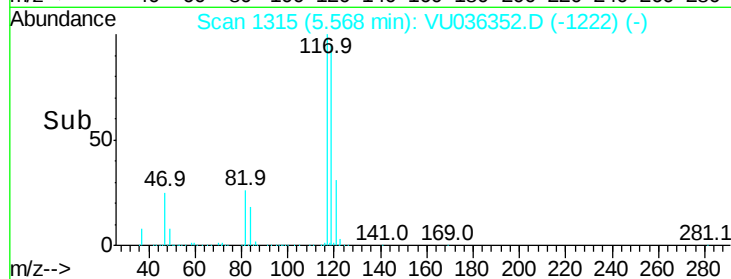
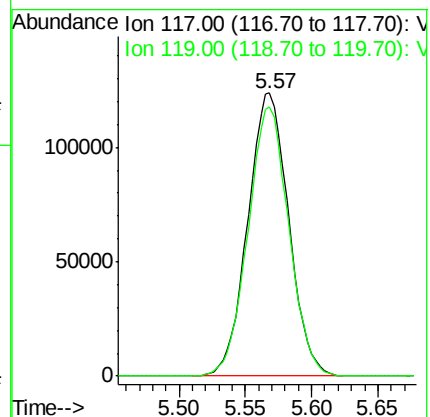
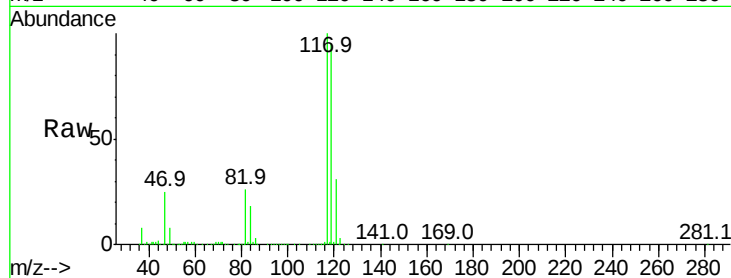
VSTD05034

Tgt Ion:117 Resp: 265747

Ion Ratio Lower Upper

117 100

119 95.0 75.5 113.3



#33

Benzene

Concen: 49.452 ug/L

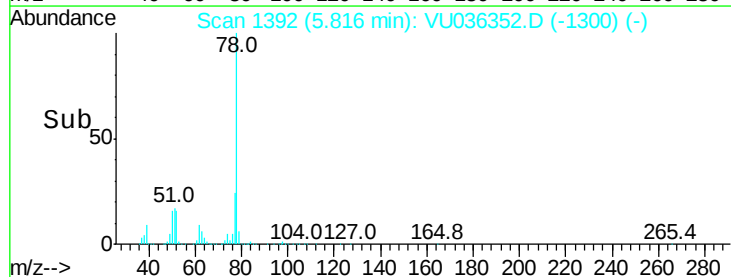
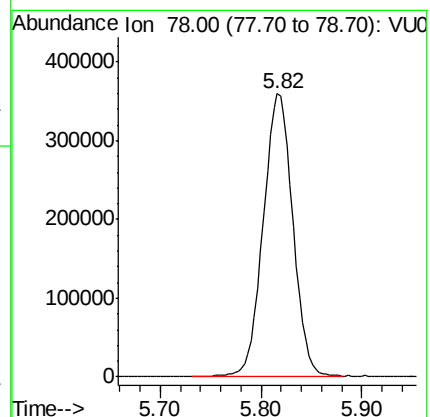
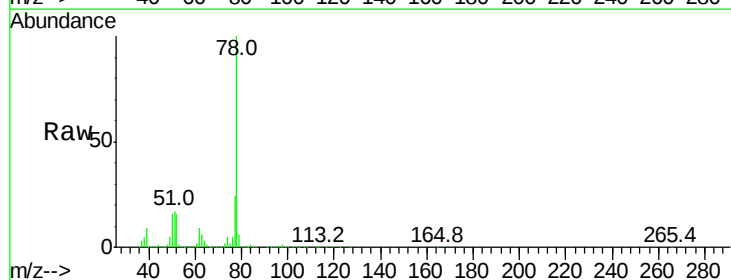
RT: 5.82 min Scan# 1392

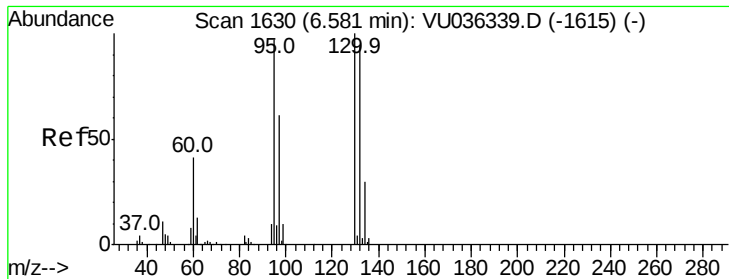
Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Tgt Ion: 78 Resp: 734196

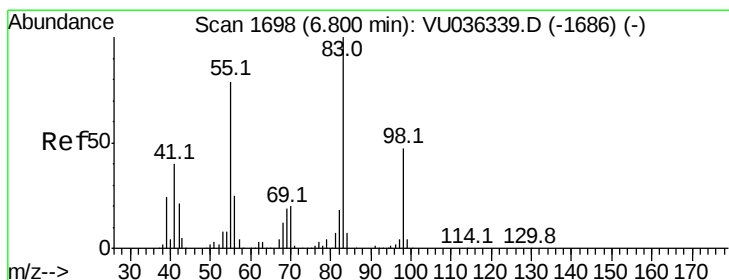
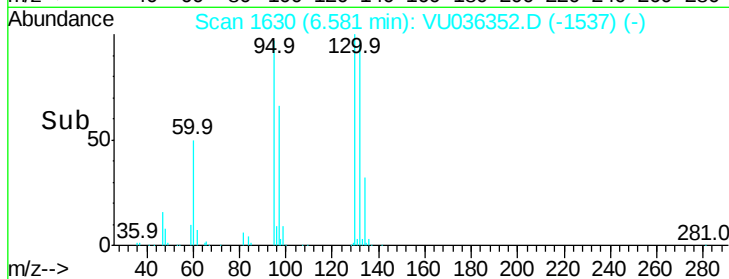
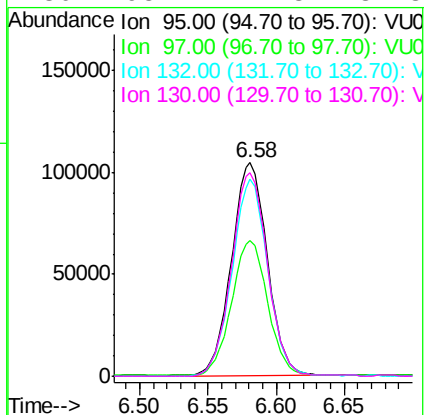
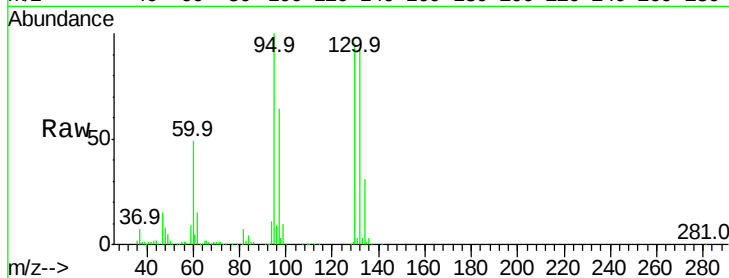




#34
 Trichloroethene
 Concen: 50.367 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU036352.D
 Acq: 27 Dec 2019 13:06

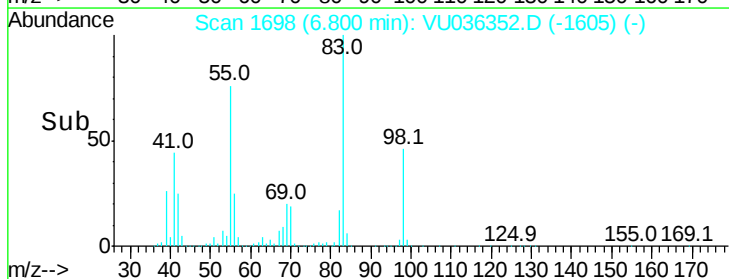
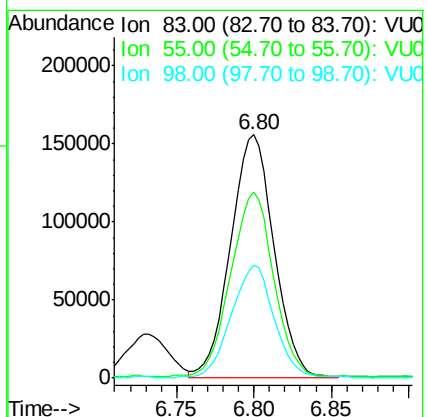
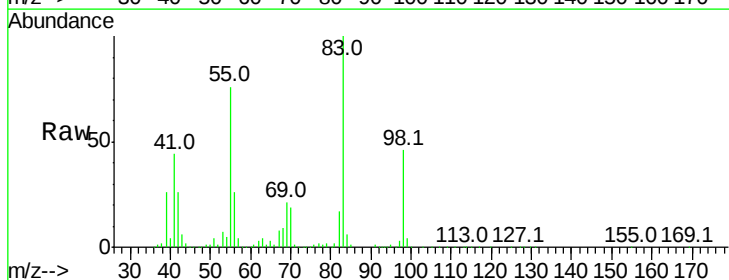
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

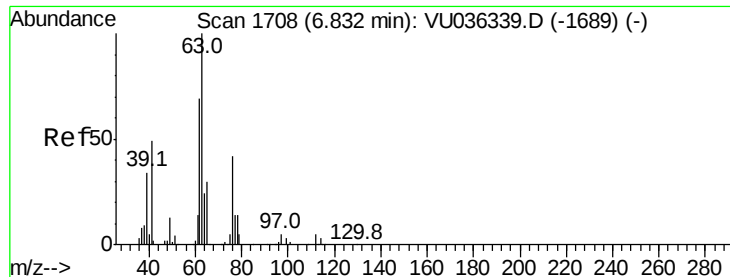
Tgt Ion:	95	Resp:	190530
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.1	81.9
132	92.2	67.8	126.0
130	95.2	72.3	134.3



#35
 Methylcyclohexane
 Concen: 54.998 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU036352.D
 Acq: 27 Dec 2019 13:06

Tgt Ion:	83	Resp:	301335
Ion	Ratio	Lower	Upper
83	100		
55	75.0	62.2	93.2
98	45.3	37.0	55.4





#37

1,2-Dichloropropane

Concen: 51.470 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

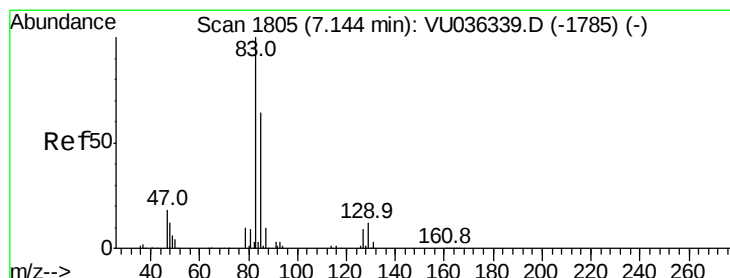
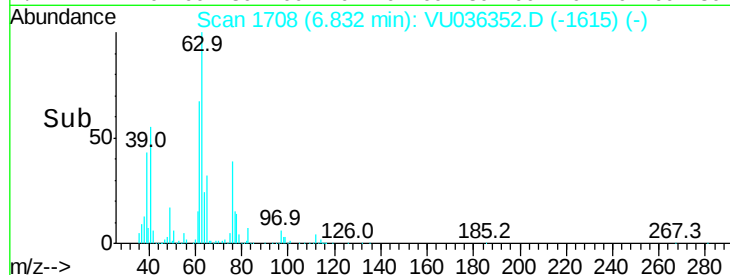
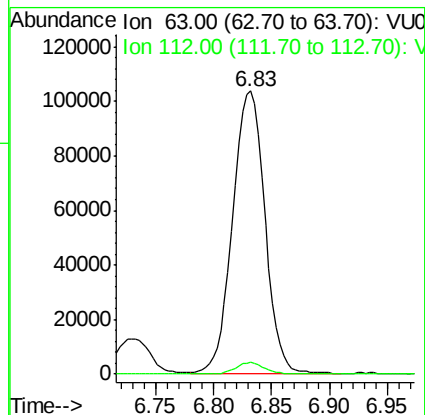
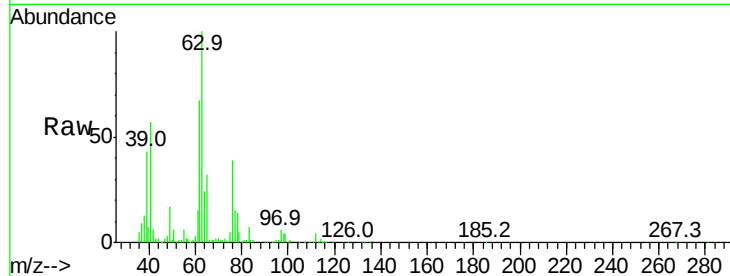
VSTD05034

Tgt Ion: 63 Resp: 199000

Ion Ratio Lower Upper

63 100

112 3.7 3.4 5.2



#38

Bromodichloromethane

Concen: 53.557 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

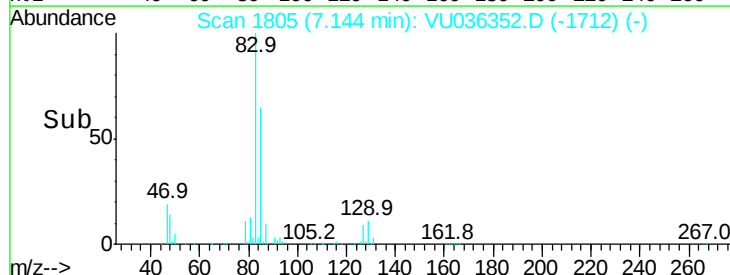
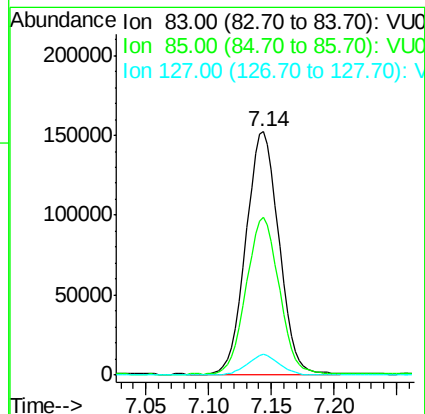
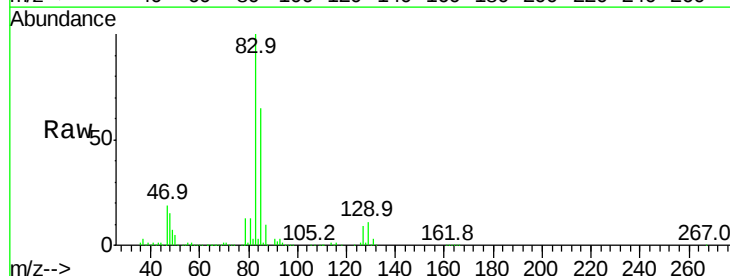
Tgt Ion: 83 Resp: 279155

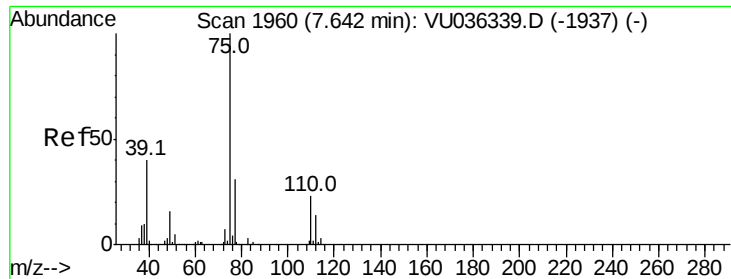
Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.5

127 8.5 7.0 10.6



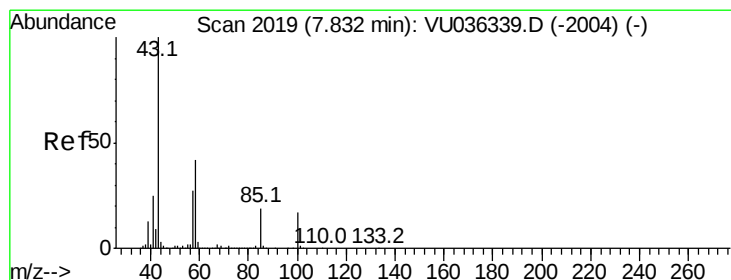
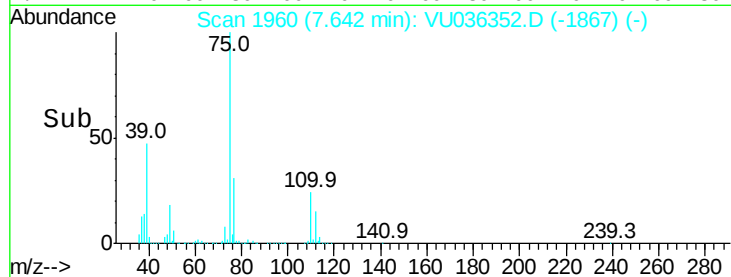
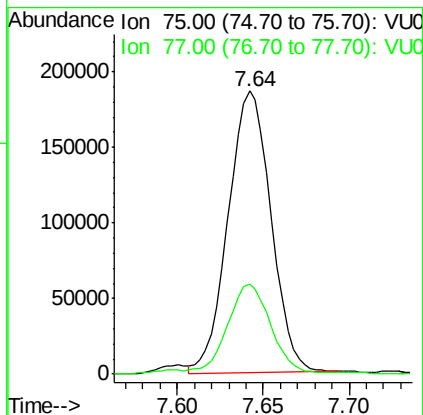
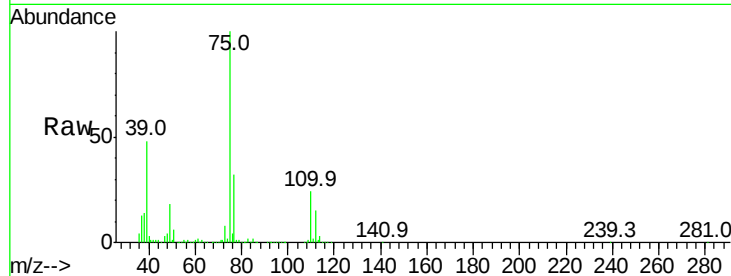


#39

cis-1,3-Dichloropropene
 Concen: 55.299 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036352.D
 Acq: 27 Dec 2019 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

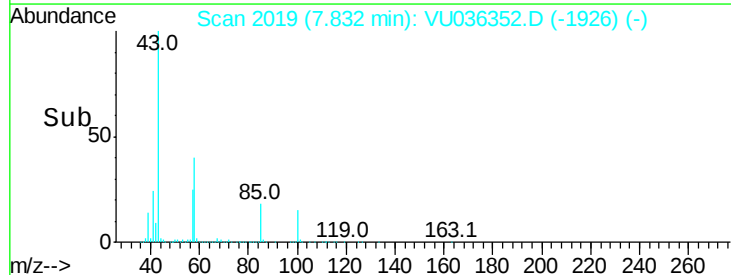
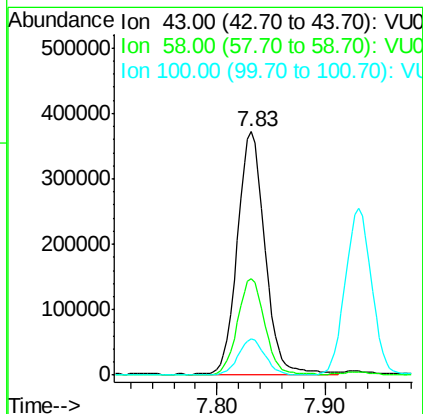
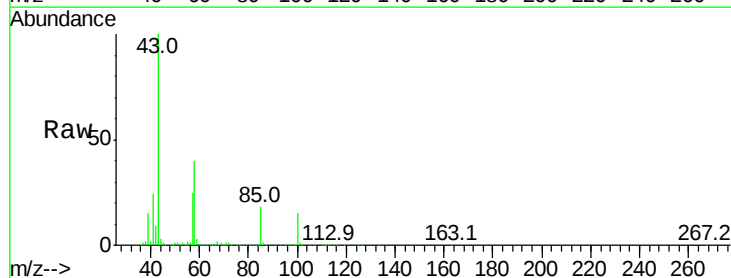
Tgt Ion: 75 Resp: 321923
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.6 40.2

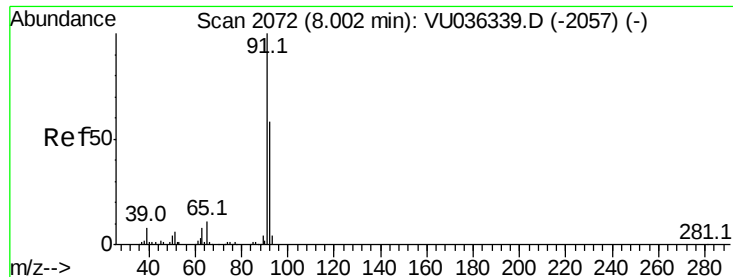


#40

4-Methyl-2-pentanone
 Concen: 131.857 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. -0.00 min
 Lab File: VU036352.D
 Acq: 27 Dec 2019 13:06

Tgt Ion: 43 Resp: 658466
 Ion Ratio Lower Upper
 43 100
 58 39.5 33.4 50.2
 100 14.5 13.4 20.0





#42

Toluene

Concen: 50.699 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

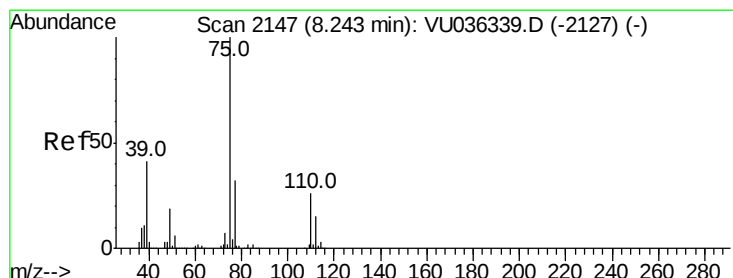
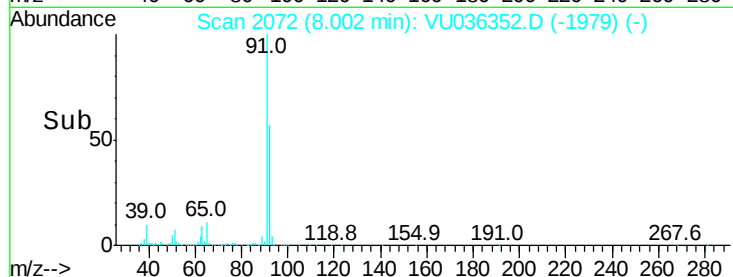
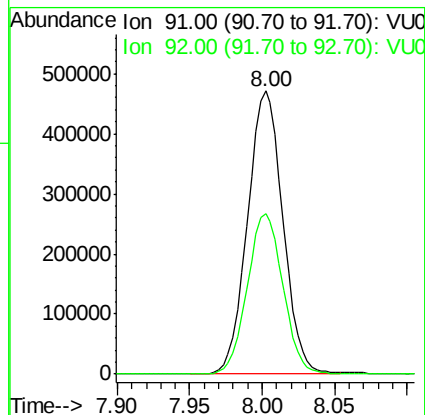
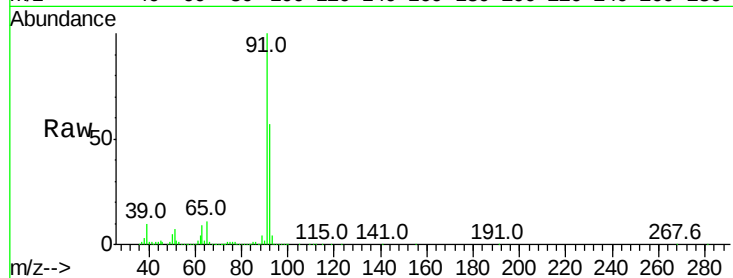
VSTD05034

Tgt Ion: 91 Resp: 798725

Ion Ratio Lower Upper

91 100

92 56.9 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 56.186 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036352.D

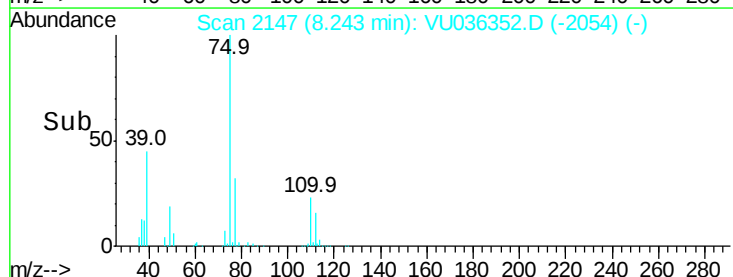
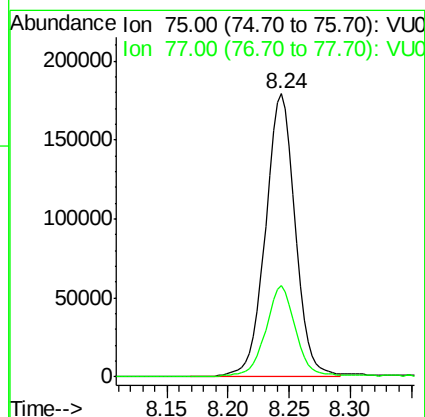
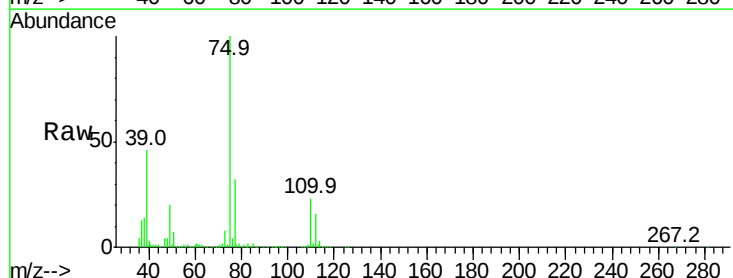
Acq: 27 Dec 2019 13:06

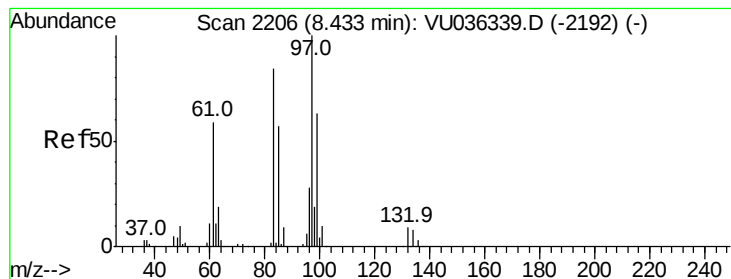
Tgt Ion: 75 Resp: 305459

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 48.632 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

Tgt Ion: 97 Resp: 188171

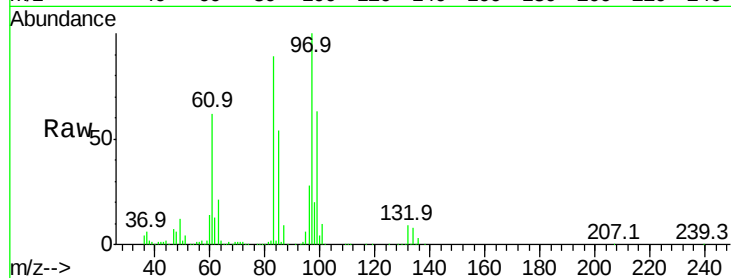
Ion Ratio Lower Upper

97 100

99 63.2 44.4 82.4

83 89.3 59.0 109.6

85 54.4 39.8 73.8

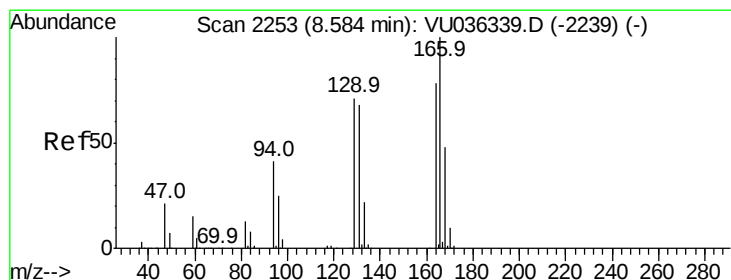
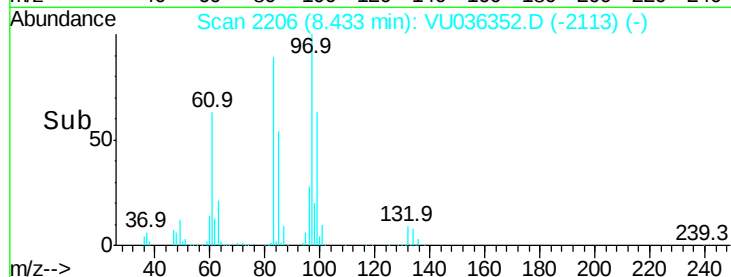
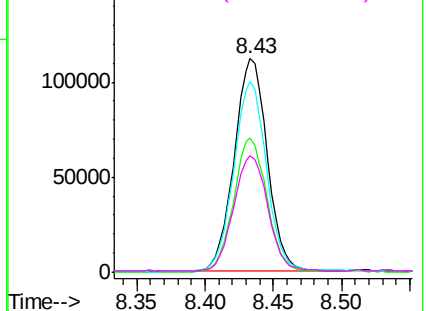


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 41.562 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Tgt Ion: 164 Resp: 135454

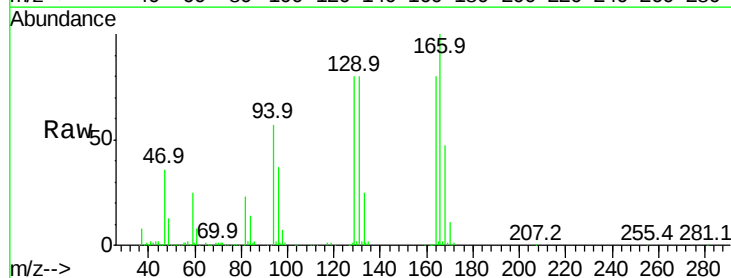
Ion Ratio Lower Upper

164 100

129 100.0 63.9 118.7

131 100.1 61.2 113.8

166 124.5 89.8 166.8

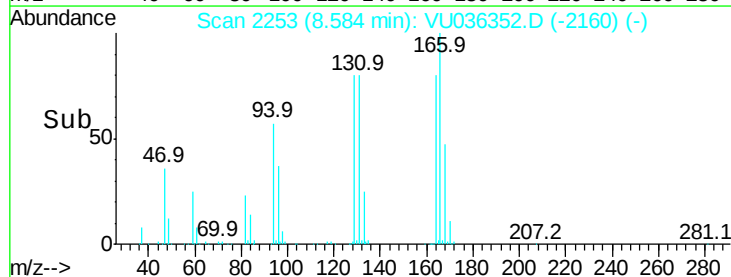
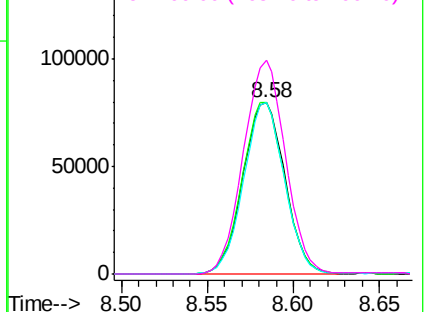


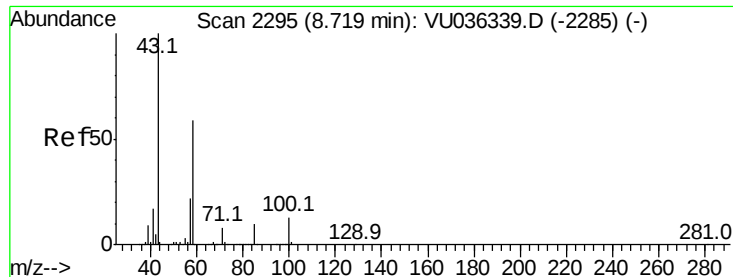
Abundance Ion 164.00 (163.70 to 164.70): V

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

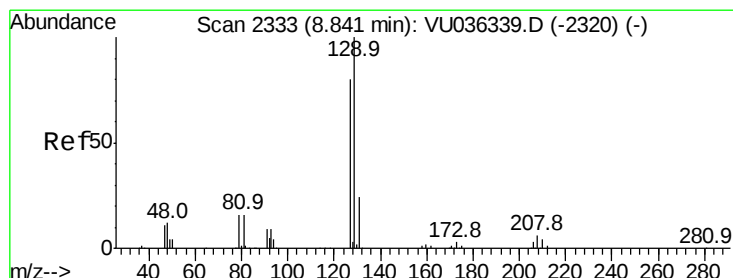
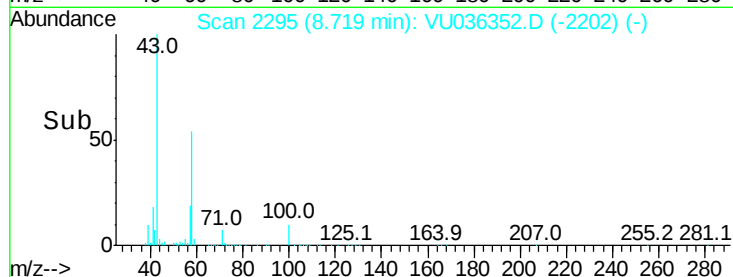
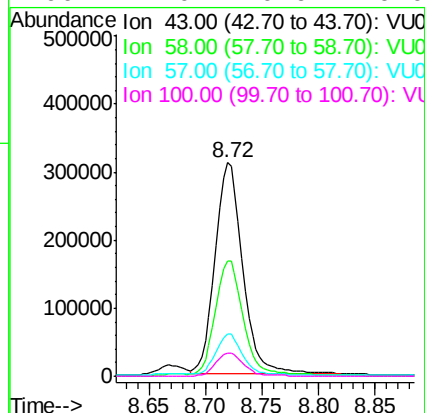
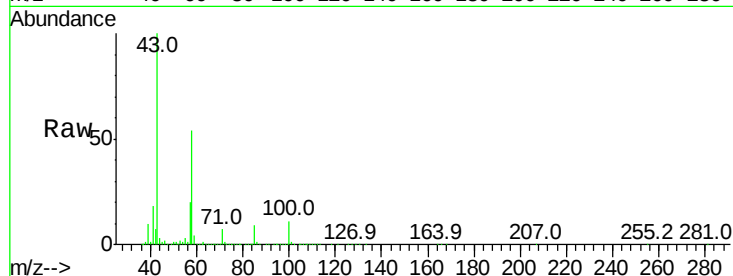




#48
2-Hexanone
Concen: 126.411 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036352.D
Acq: 27 Dec 2019 13:06

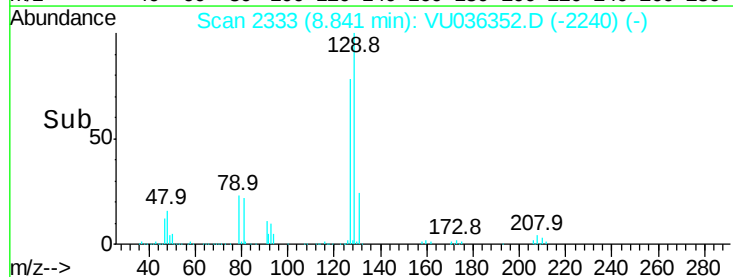
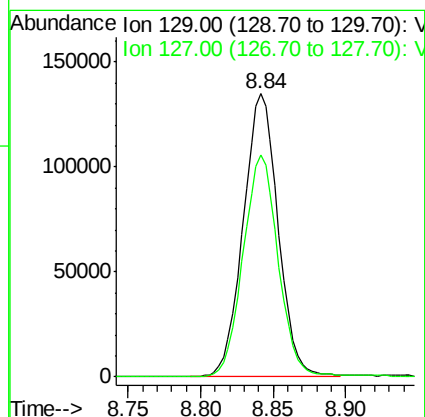
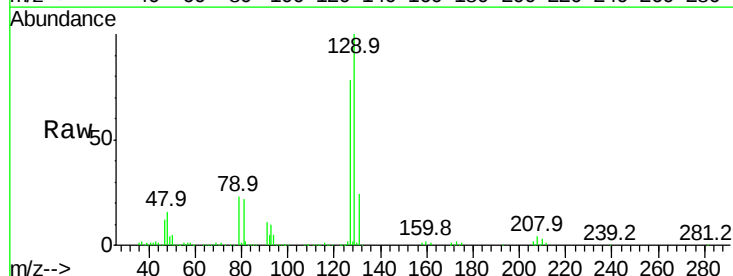
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

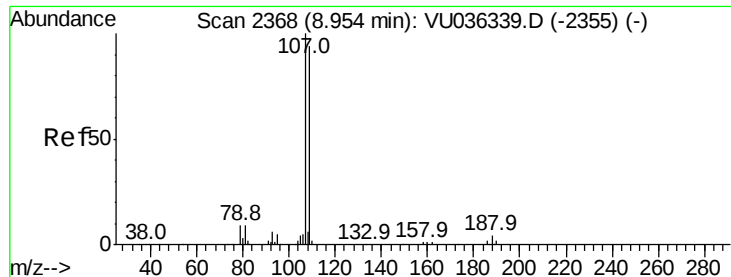
Tgt Ion:	43	Resp:	526706
Ion	Ratio	Lower	Upper
43	100		
58	52.8	48.2	72.4
57	18.5	17.7	26.5
100	11.0	10.6	16.0



#49
Dibromochloromethane
Concen: 50.624 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036352.D
Acq: 27 Dec 2019 13:06

Tgt Ion:	129	Resp:	225826
Ion	Ratio	Lower	Upper
129	100		
127	78.3	56.2	104.4

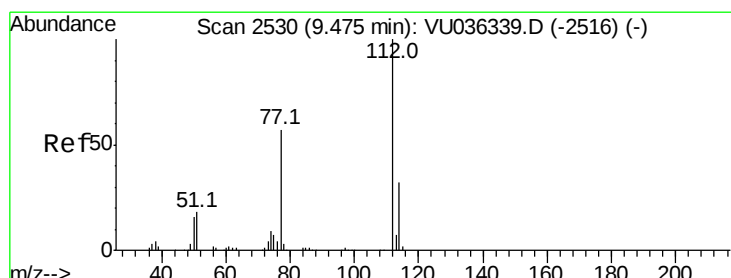
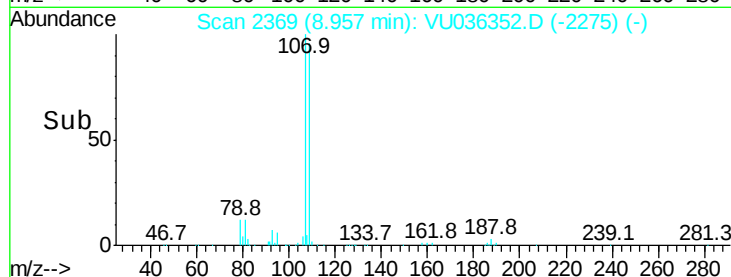
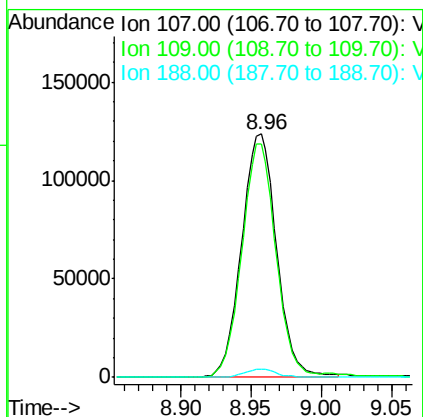
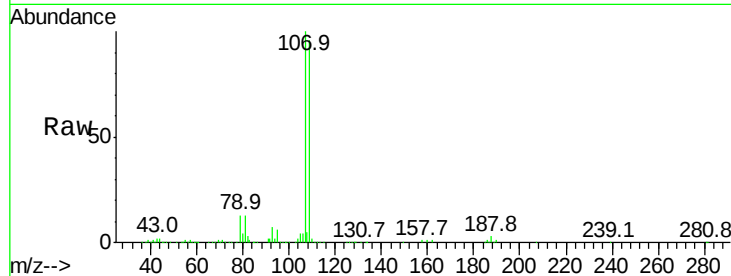




#50
1,2-Dibromoethane
Concen: 51.440 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU036352.D
Acq: 27 Dec 2019 13:06

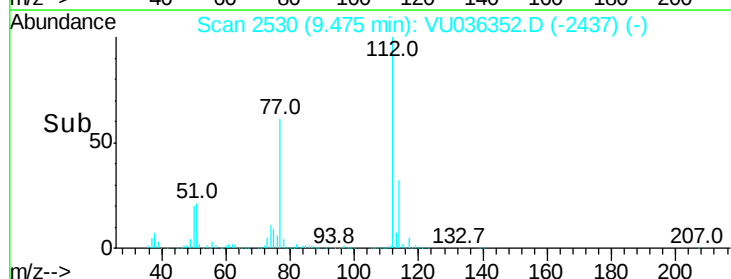
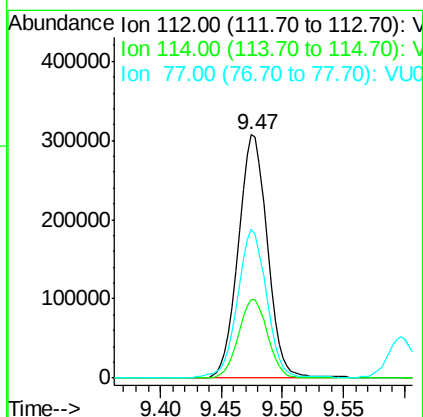
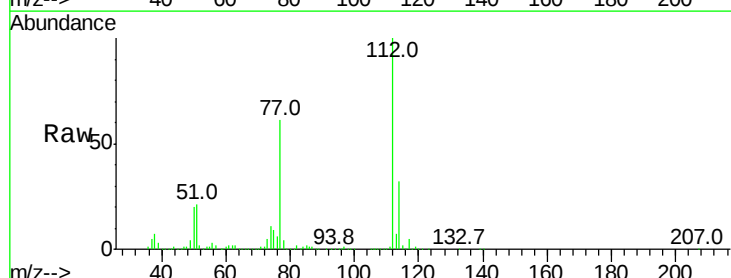
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

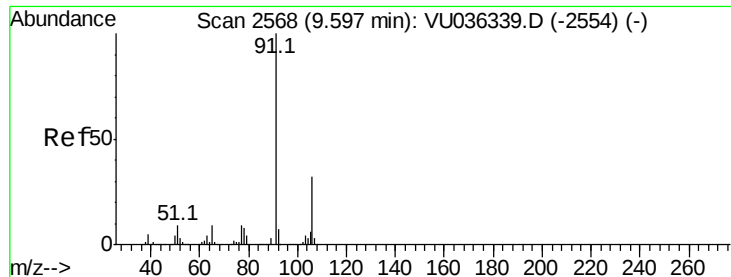
Tgt Ion:107 Resp: 214940
Ion Ratio Lower Upper
107 100
109 96.1 65.7 122.1
188 3.2 3.0 4.6



#51
Chlorobenzene
Concen: 47.818 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036352.D
Acq: 27 Dec 2019 13:06

Tgt Ion:112 Resp: 506295
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.3
77 60.9 46.0 69.0





#52

Ethylbenzene

Concen: 54.659 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

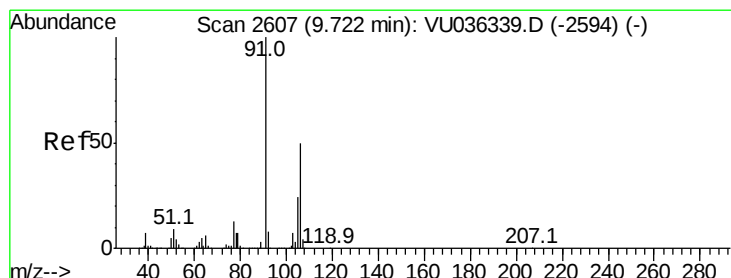
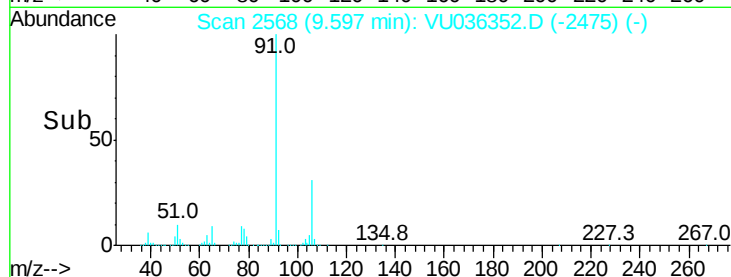
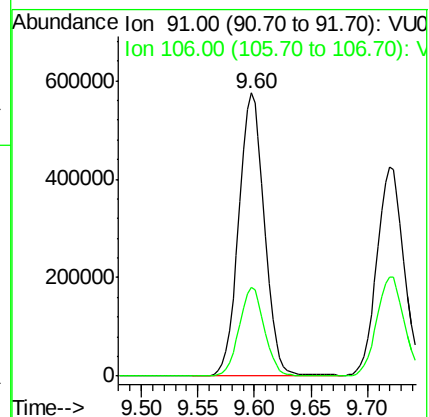
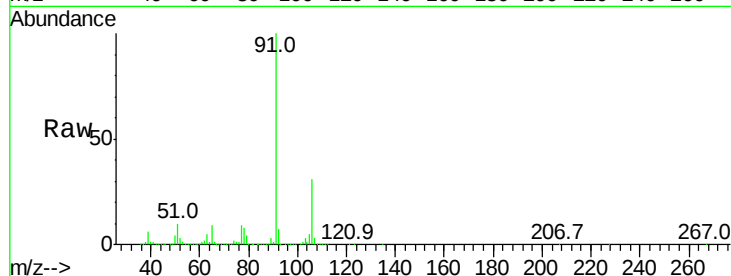
VSTD05034

Tgt Ion: 91 Resp: 909140

Ion Ratio Lower Upper

91 100

106 31.4 22.7 42.1



#53

m,p-Xylene

Concen: 52.812 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036352.D

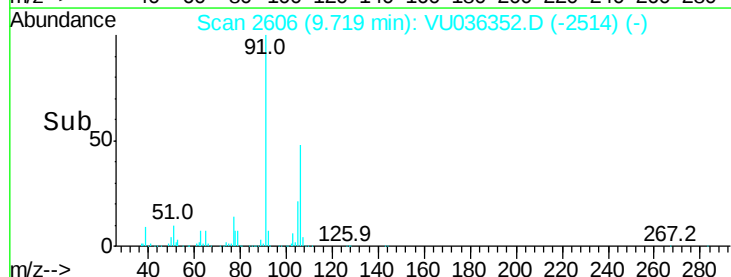
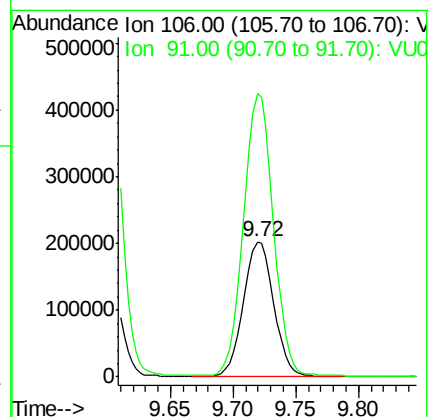
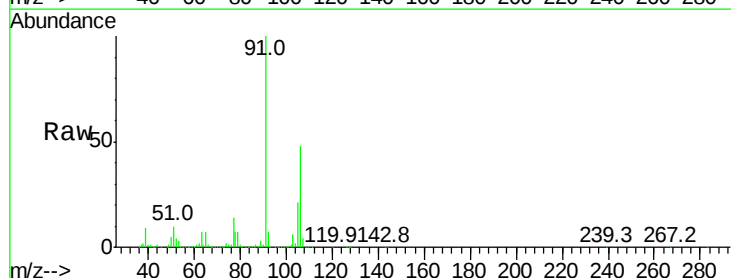
Acq: 27 Dec 2019 13:06

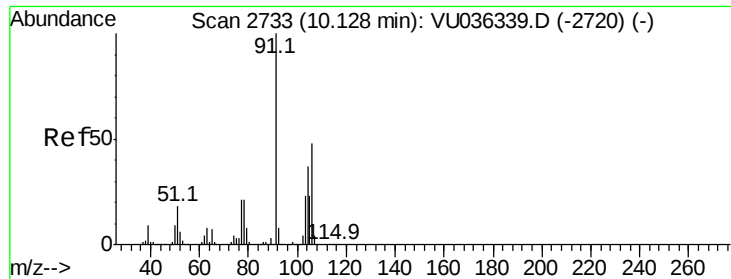
Tgt Ion: 106 Resp: 339311

Ion Ratio Lower Upper

106 100

91 209.7 140.6 261.0





#54

o-xylene

Concen: 53.941 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

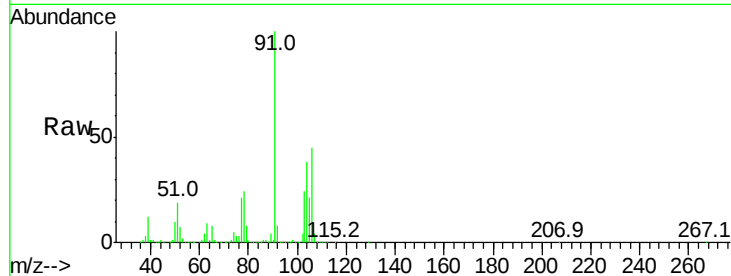
VSTD05034

Tgt Ion:106 Resp: 334581

Ion Ratio Lower Upper

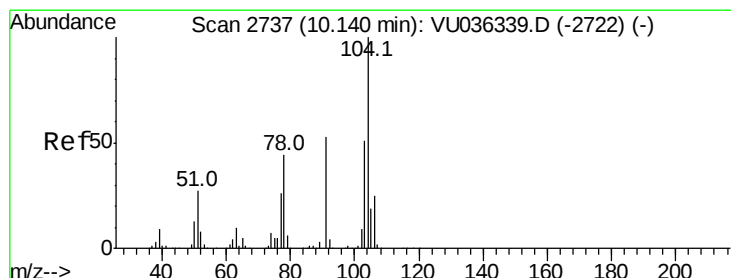
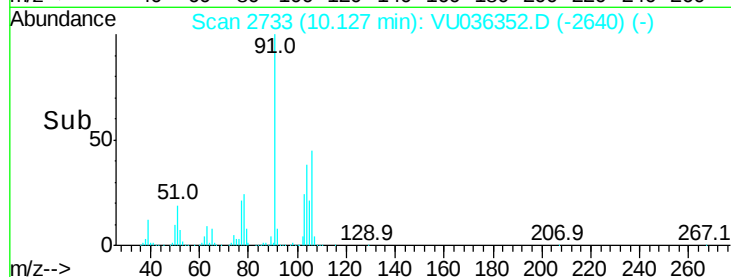
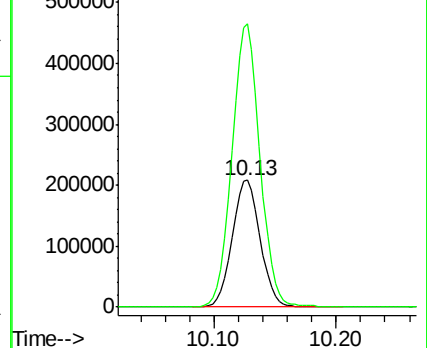
106 100

91 223.4 146.4 272.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.421 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036352.D

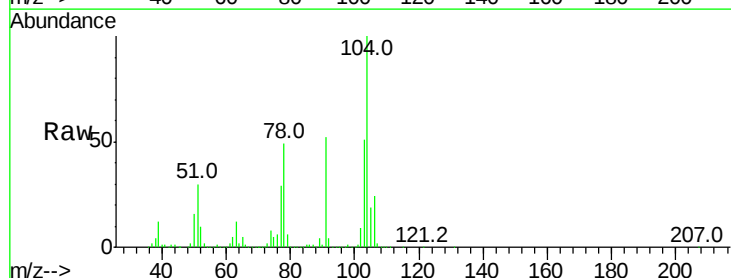
Acq: 27 Dec 2019 13:06

Tgt Ion:104 Resp: 575205

Ion Ratio Lower Upper

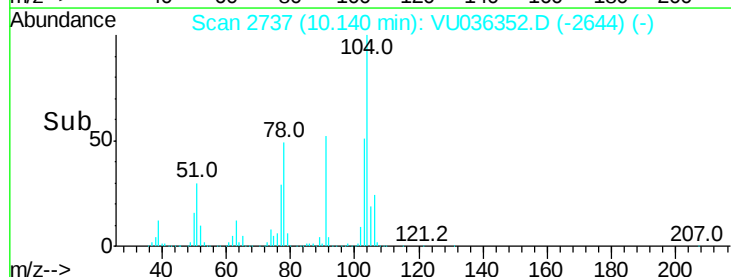
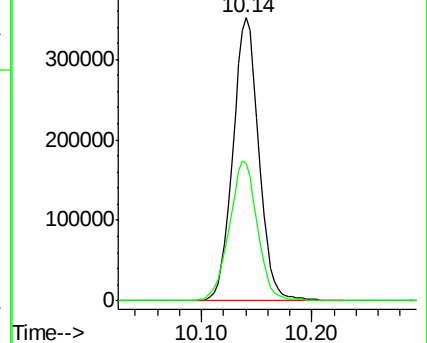
104 100

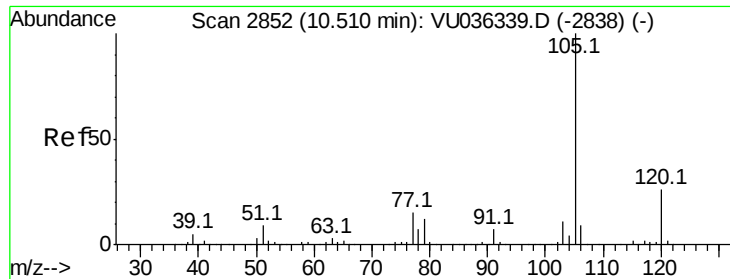
78 48.5 31.1 57.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 54.906 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

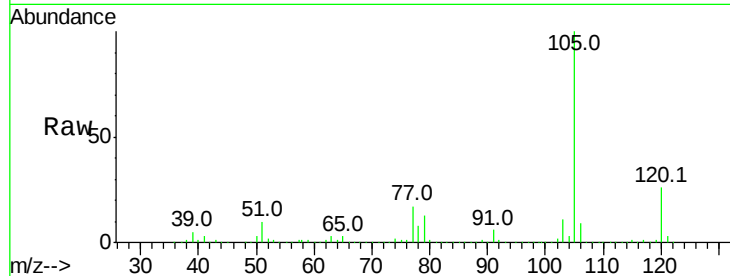
Tgt Ion:105 Resp: 881998

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

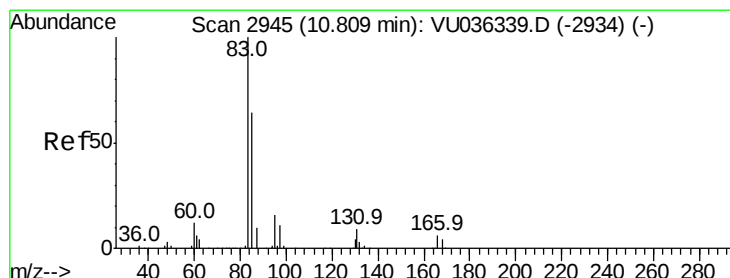
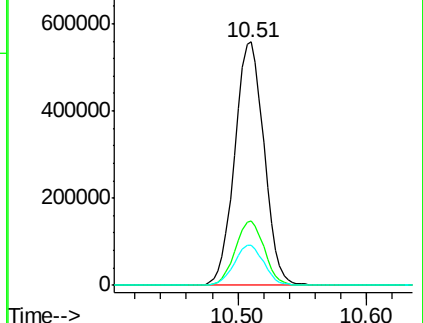
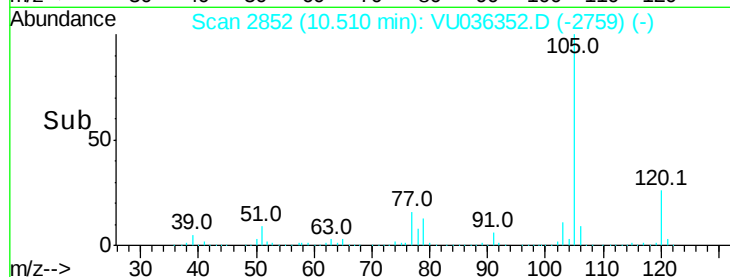
77 16.6 12.3 18.5



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: 50.830 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

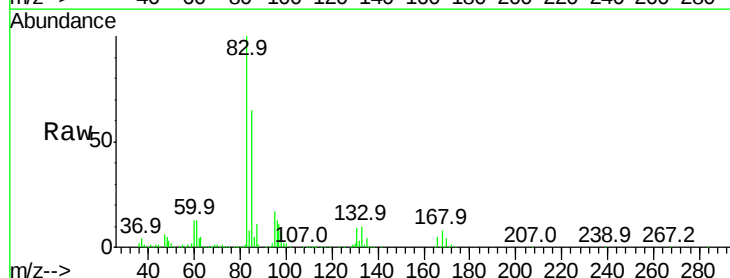
Tgt Ion: 83 Resp: 343030

Ion Ratio Lower Upper

83 100

85 64.7 46.1 85.7

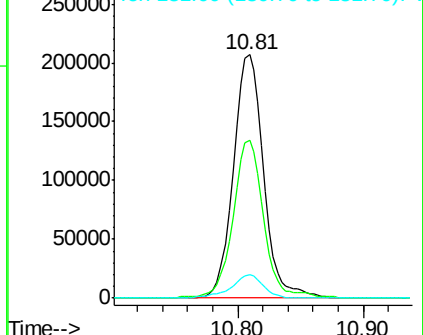
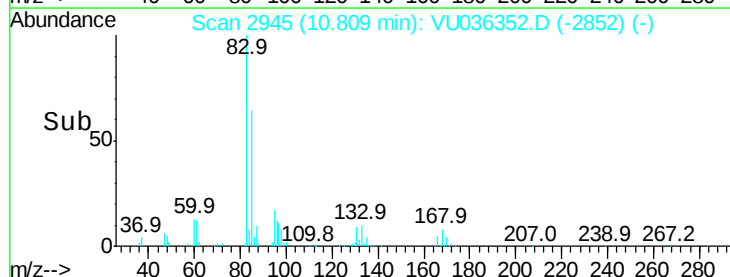
131 9.4 8.3 12.5

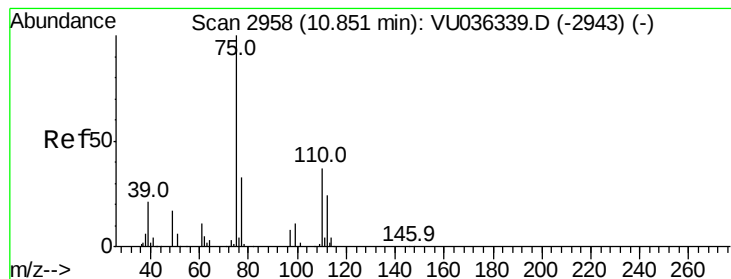


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.256 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

Instrument :

MSVOA_U

ClientSampleId :

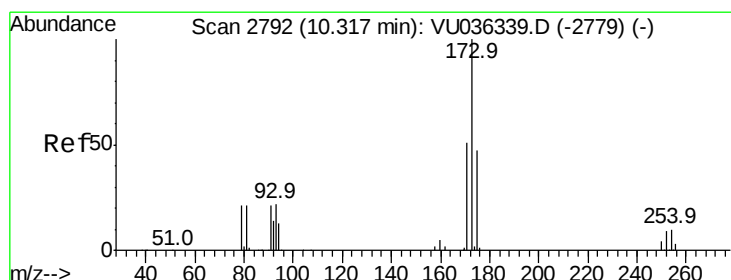
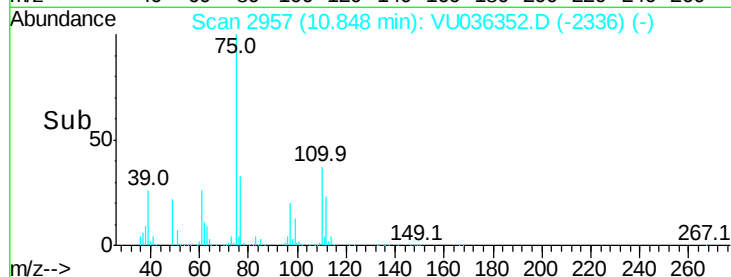
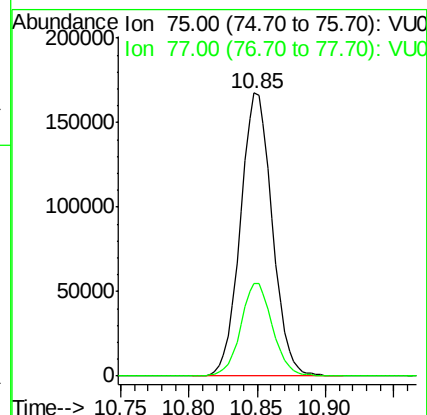
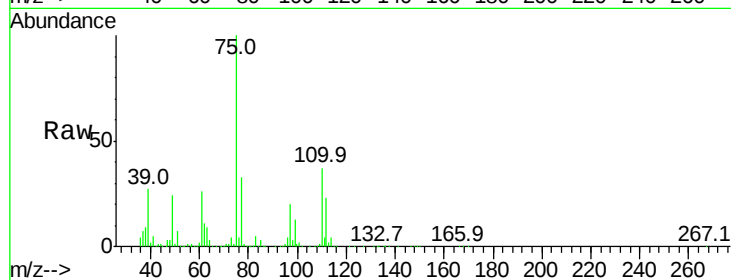
VSTD05034

Tgt Ion: 75 Resp: 271419

Ion Ratio Lower Upper

75 100

77 32.9 25.9 38.9



#61

Bromoform

Concen: 50.813 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036352.D

Acq: 27 Dec 2019 13:06

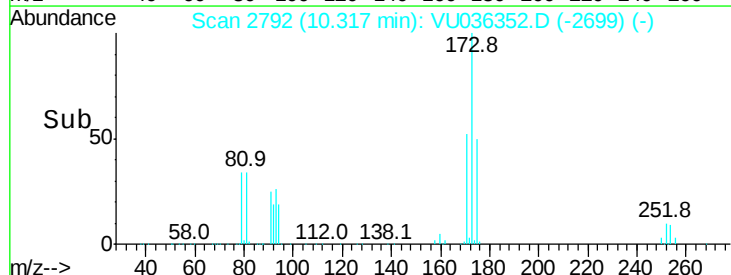
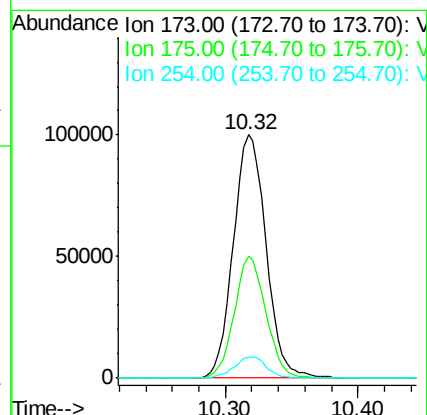
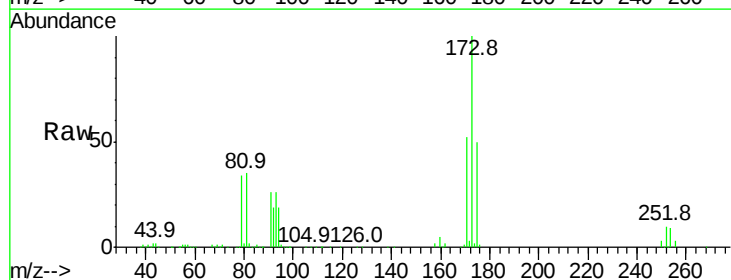
Tgt Ion: 173 Resp: 171831

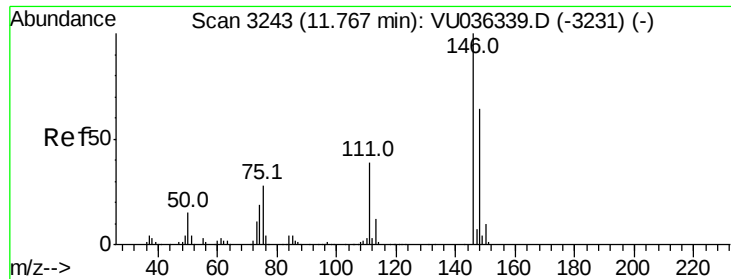
Ion Ratio Lower Upper

173 100

175 48.4 38.8 58.2

254 8.6 7.6 11.4

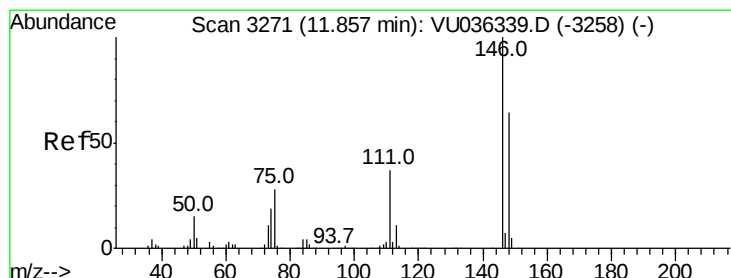
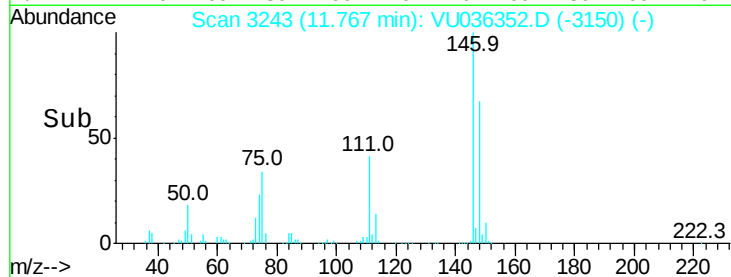
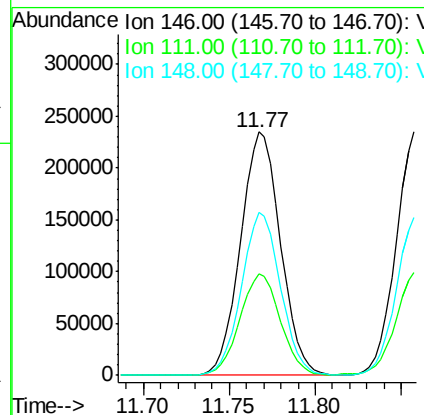
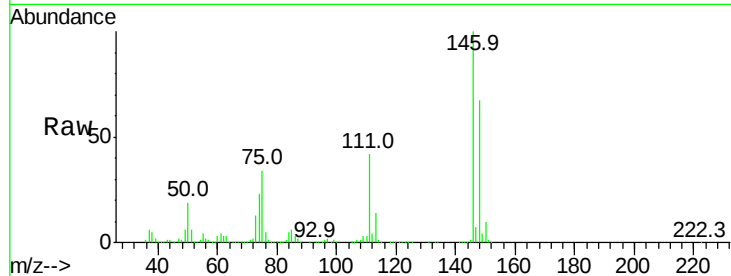




#62
 1,3-Dichlorobenzene
 Concen: 48.989 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036352.D
 Acq: 27 Dec 2019 13:06

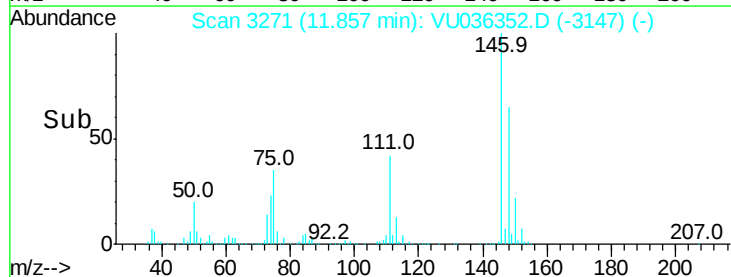
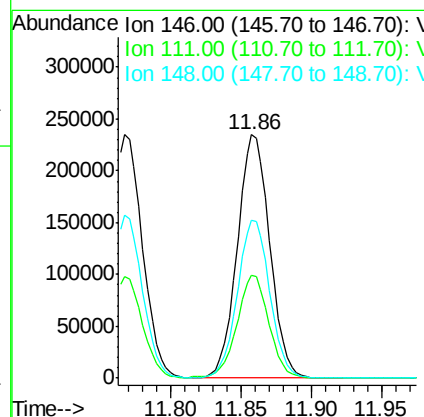
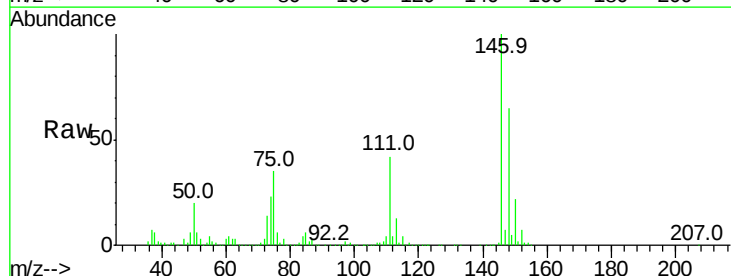
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

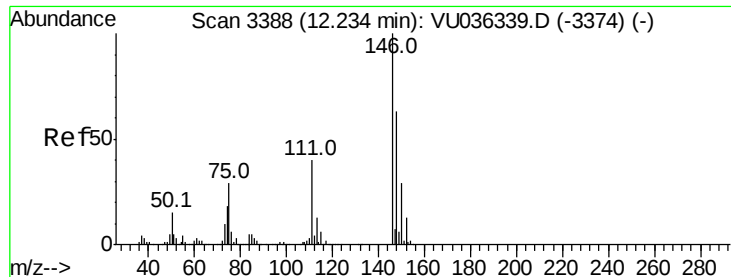
Tgt Ion:146 Resp: 379811
 Ion Ratio Lower Upper
 146 100
 111 41.6 27.1 50.3
 148 67.0 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 47.477 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036352.D
 Acq: 27 Dec 2019 13:06

Tgt Ion:146 Resp: 378185
 Ion Ratio Lower Upper
 146 100
 111 42.4 26.3 48.9
 148 65.1 45.1 83.9

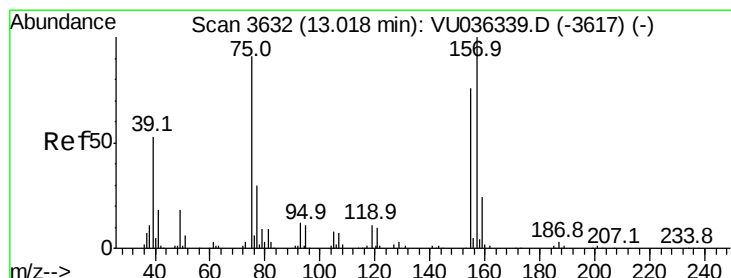
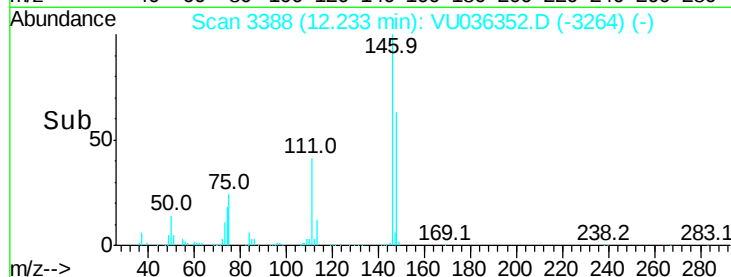
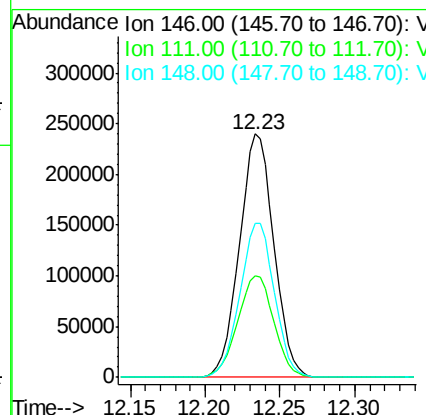
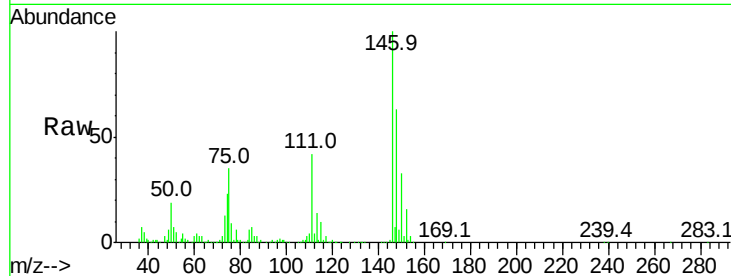




#65
 1,2-Dichlorobenzene
 Concen: 48.405 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036352.D
 Acq: 27 Dec 2019 13:06

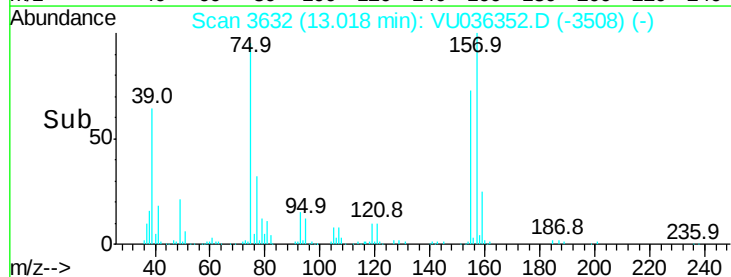
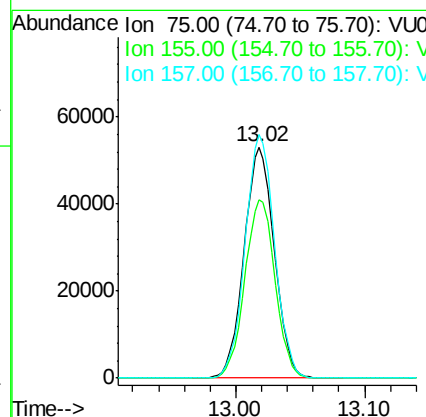
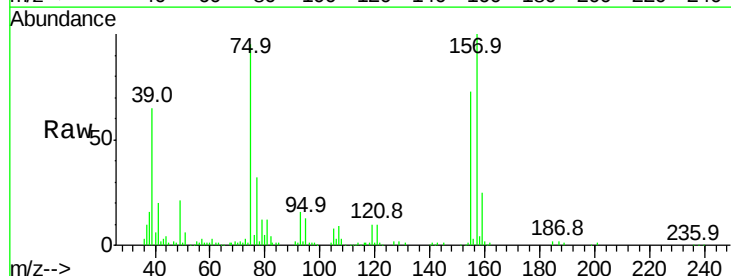
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

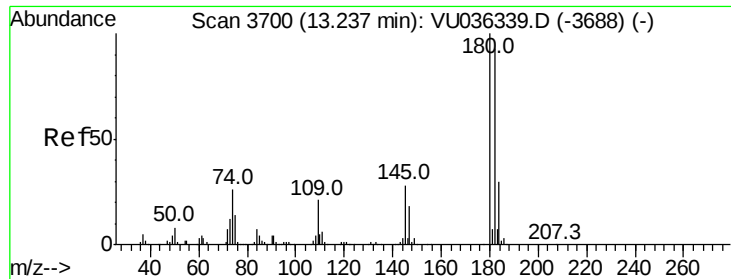
Tgt Ion:146 Resp: 384103
 Ion Ratio Lower Upper
 146 100
 111 41.8 32.4 48.6
 148 63.4 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 61.756 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036352.D
 Acq: 27 Dec 2019 13:06

Tgt Ion: 75 Resp: 86531
 Ion Ratio Lower Upper
 75 100
 155 77.2 67.1 100.7
 157 105.2 88.3 132.5

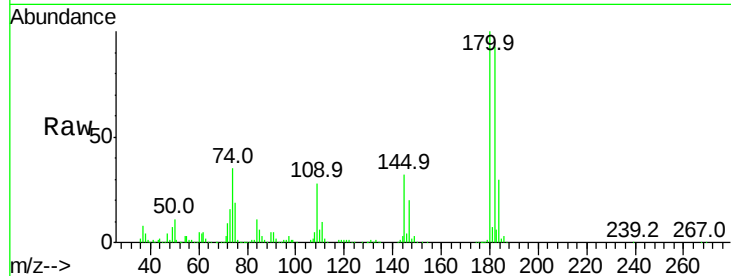




#67
 1,3,5-Trichlorobenzene
 Concen: 46.323 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036352.D
 Acq: 27 Dec 2019 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.8	113.8
184	29.9	24.3	36.5
145	31.8	22.3	33.5



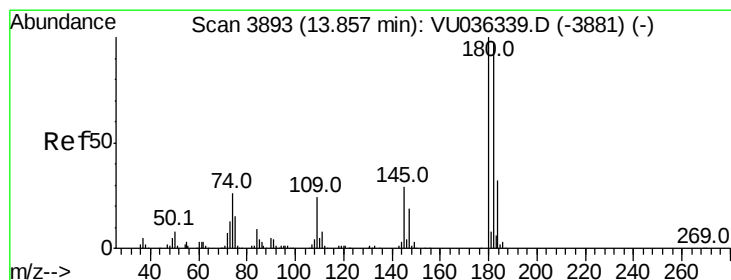
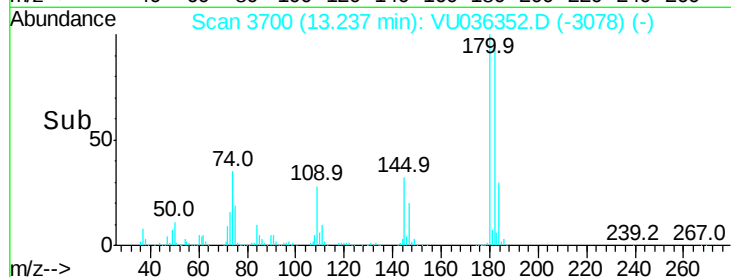
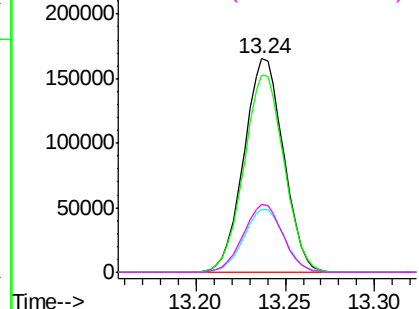
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

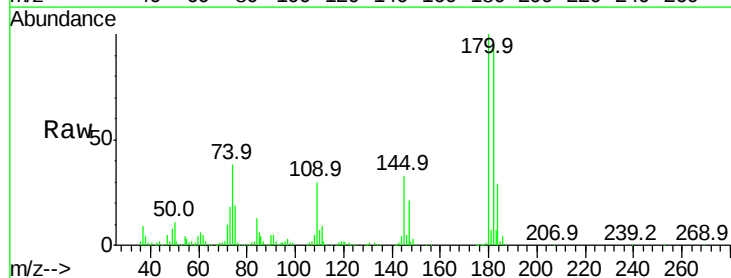
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.443 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036352.D
 Acq: 27 Dec 2019 13:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.5	114.7
145	32.5	23.4	35.0

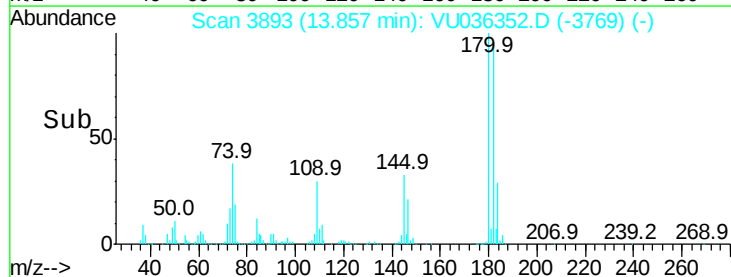
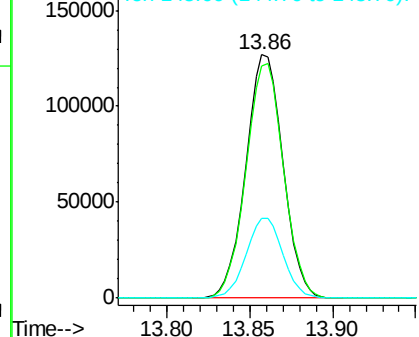


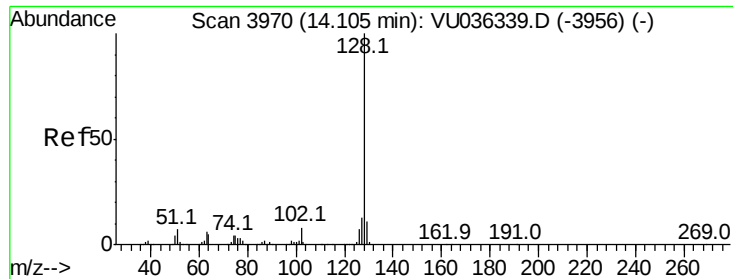
Abundance

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

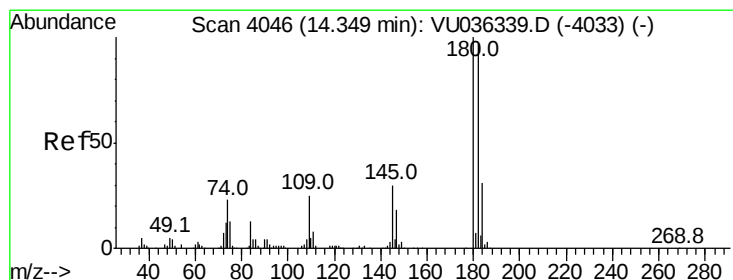
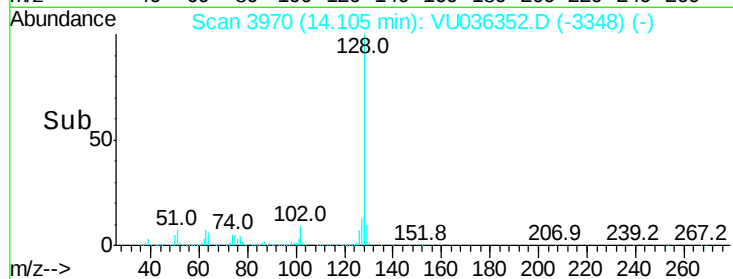
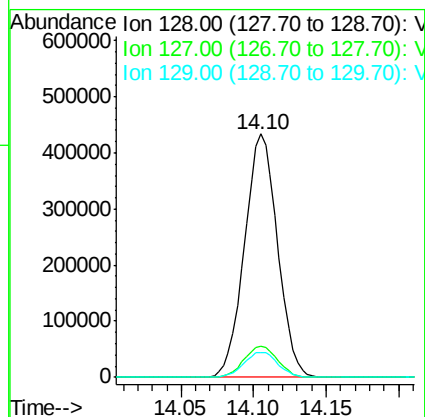
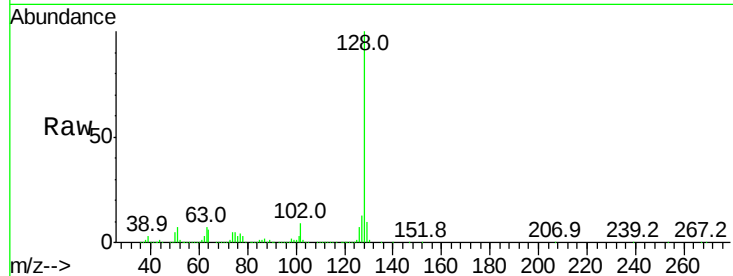




#69
Naphthalene
Concen: 62.927 ug/L
RT: 14.10 min Scan# 3970
Delta R.T. -0.00 min
Lab File: VU036352.D
Acq: 27 Dec 2019 13:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.9	16.3
129	10.6	8.7	13.1



#70
1,2,3-Trichlorobenzene
Concen: 47.480 ug/L
RT: 14.35 min Scan# 4045
Delta R.T. -0.00 min
Lab File: VU036352.D
Acq: 27 Dec 2019 13:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.0	115.6
145	33.9	23.8	35.6

