

Data File : VU034911.D
Acq On : 03 Oct 2019 11:36
Operator : JC/SP
Sample : VSTD00533
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Quant Time: Oct 04 05:09:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 04 05:07:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	427132	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	403659	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	173990	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	17515	5.33	ug/L	0.00
7) Chloroethane-d5	1.67	69	13036	4.76	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	30122	5.15	ug/L	0.00
21) 2-Butanone-d5	4.17	46	21853	10.06	ug/L	0.02
24) Chloroform-d	4.62	84	25484	4.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	19558	5.48	ug/L	0.00
32) Benzene-d6	5.32	84	57272	5.54	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	19354	5.81	ug/L	0.00
41) Toluene-d8	7.55	98	52635	5.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	7132	4.43	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	14614	9.59	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.41	84	26091	5.25	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	18812	5.84	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	17276	4.141 ug/L	99
3) Chloromethane	1.32	50	18506	4.392 ug/L	98
5) Vinyl chloride	1.40	62	17186	3.654 ug/L	97
6) Bromomethane	1.62	94	10033	3.424 ug/L	98
8) Chloroethane	1.69	64	10489	3.731 ug/L	98
9) Trichlorofluoromethane	1.87	101	20945	3.461 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	11358	3.973 ug/L	98
12) 1,1-Dichloroethene	2.27	96	10283	3.671 ug/L	80
13) Acetone	2.31	43	21364	8.211 ug/L	98
14) Carbon disulfide	2.46	76	36600	4.198 ug/L	99
15) Methyl Acetate	2.60	43	14949	4.301 ug/L	98
16) Methylene chloride	2.68	84	14241	4.353 ug/L	98
17) trans-1,2-Dichloroethene	2.97	96	12188	4.126 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	41064	4.439 ug/L	98
19) 1,1-Dichloroethane	3.42	63	24968	4.358 ug/L	96
20) cis-1,2-Dichloroethene	4.21	96	13141	3.946 ug/L	92
22) 2-Butanone	4.25	43	21890	7.501 ug/L	91
23) Bromochloromethane	4.53	128	6665	3.922 ug/L	92
25) Chloroform	4.65	83	26838	4.433 ug/L	95
27) 1,2-Dichloroethane	5.39	62	20377	4.329 ug/L	100
29) Cyclohexane	4.97	56	21896	4.785 ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	18985	3.985 ug/L	97
31) Carbon tetrachloride	5.11	117	16856	4.056 ug/L	96
33) Benzene	5.37	78	53000	4.393 ug/L	100
34) Trichloroethene	6.17	95	13384	4.265 ug/L	98
35) Methylcyclohexane	6.39	83	22438	4.647 ug/L	98
37) 1,2-Dichloropropane	6.41	63	15230	4.642 ug/L	# 95
38) Bromodichloromethane	6.74	83	17828	4.277 ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	20266	3.998 ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	42669	9.394 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	55123	4.260	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	16550	3.673	ug/L	96
45) 1,1,2-Trichloroethane	8.05	97	12450	4.067	ug/L	100
46) Tetrachloroethene	8.21	164	11066	4.555	ug/L	94
48) 2-Hexanone	8.35	43	26950	7.319	ug/L #	86
49) Dibromochloromethane	8.46	129	12697	3.732	ug/L	93
50) 1,2-Dibromoethane	8.57	107	13121	3.938	ug/L	96
51) Chlorobenzene	9.10	112	36148	4.300	ug/L	98
52) Ethylbenzene	9.23	91	60608	4.363	ug/L	100
53) m,p-Xylene	9.36	106	22505	4.295	ug/L	95
54) o-xylene	9.76	106	21569	4.151	ug/L	96
55) Styrene	9.77	104	35131	4.003	ug/L	98
56) Isopropylbenzene	10.14	105	57843	4.313	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	22358	4.137	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	18734	4.396	ug/L	99
61) Bromoform	9.94	173	8968	4.134	ug/L #	95
62) 1,3-Dichlorobenzene	11.40	146	25057	4.584	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	24879	4.397	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	24892	4.462	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.64	75	3640	3.433	ug/L #	85
67) 1,3,5-Trichlorobenzene	12.87	180	14618	3.746	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	6872	2.062	ug/L	97
69) Naphthalene	13.74	128	18720	1.778	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.98	180	9604	2.662	ug/L #	91

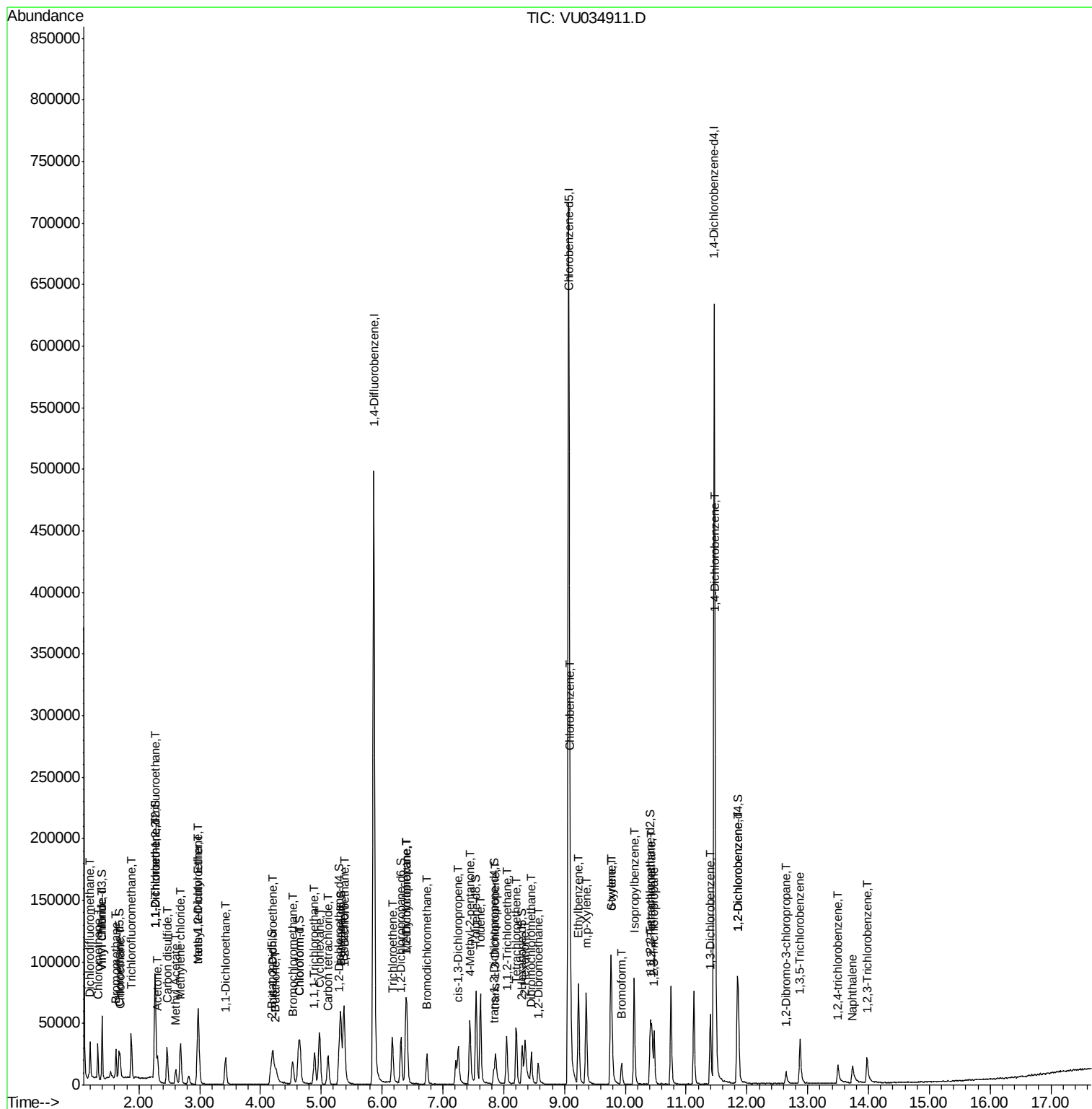
(#) = qualifier out of range (m) = manual integration (+) = signals summed

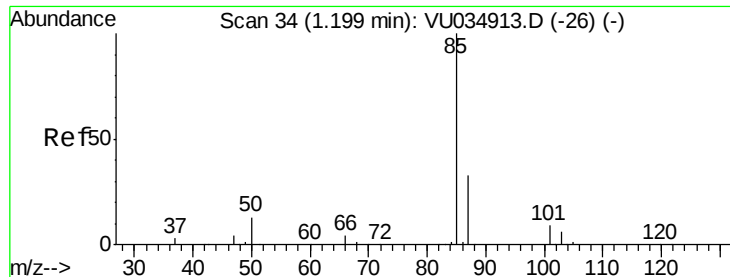
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#2

Dichlorodifluoromethane

Concen: 4.141 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

Instrument :

MSVOA_U

ClientSampleId :

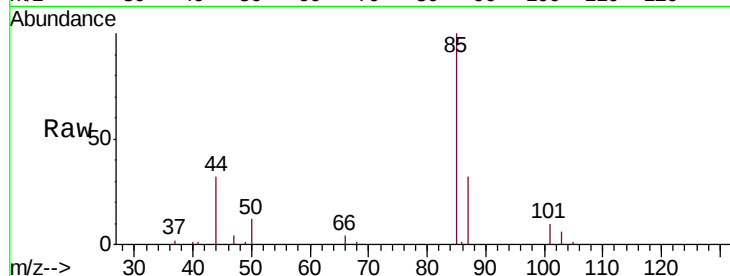
VSTD00533

Tgt Ion: 85 Resp: 17276

Ion Ratio Lower Upper

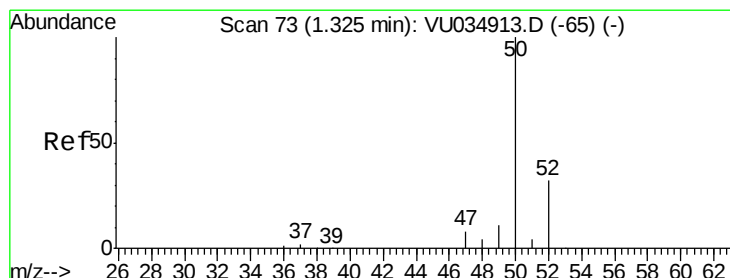
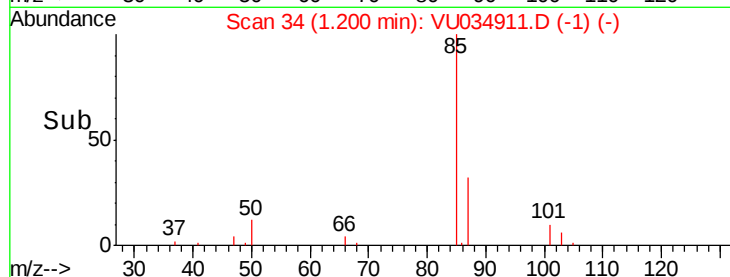
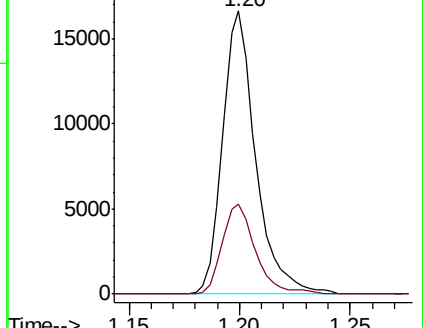
85 100

87 31.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU034911.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034911.D (-1) (-)



#3

Chloromethane

Concen: 4.392 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034911.D

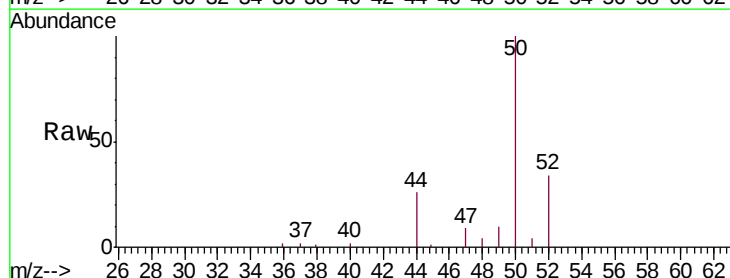
Acq: 03 Oct 2019 11:36

Tgt Ion: 50 Resp: 18506

Ion Ratio Lower Upper

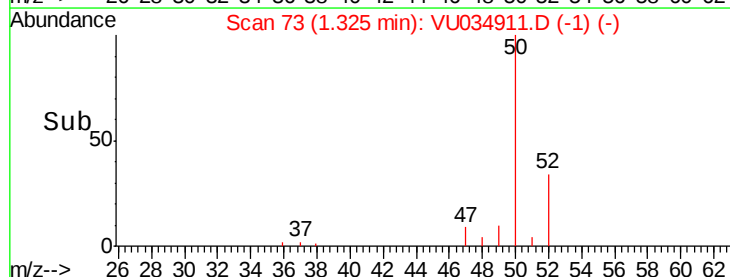
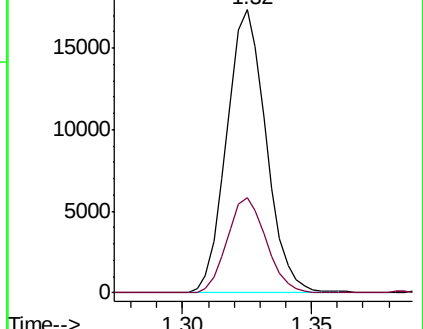
50 100

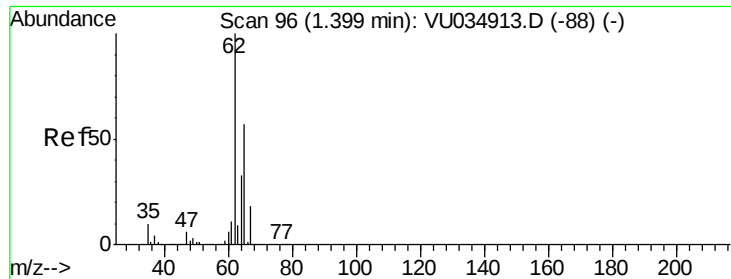
52 33.7 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VU034911.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU034911.D (-1) (-)





#5

Vinyl chloride

Concen: 3.654 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

Instrument :

MSVOA_U

ClientSampleId :

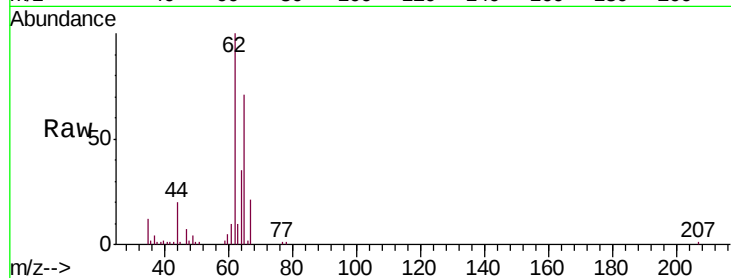
VSTD00533

Tgt Ion: 62 Resp: 17186

Ion Ratio Lower Upper

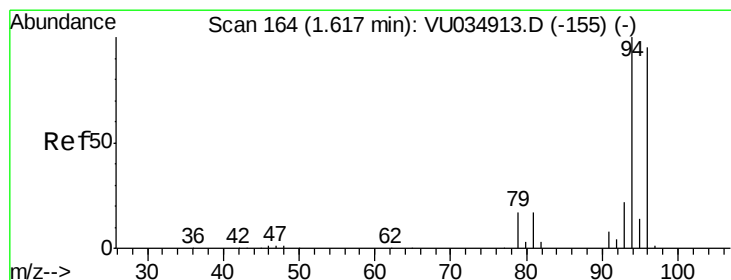
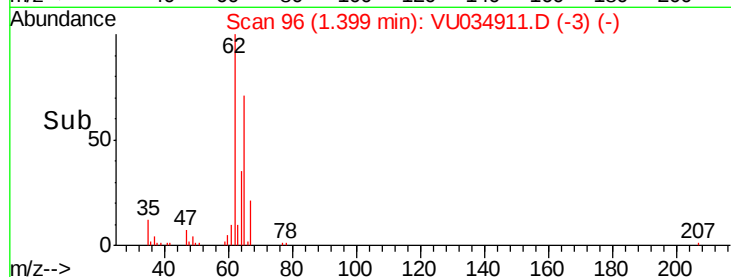
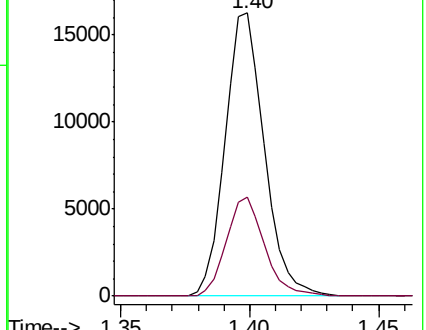
62 100

64 34.9 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU034911.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU034911.D (-88) (-)



#6

Bromomethane

Concen: 3.424 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU034911.D

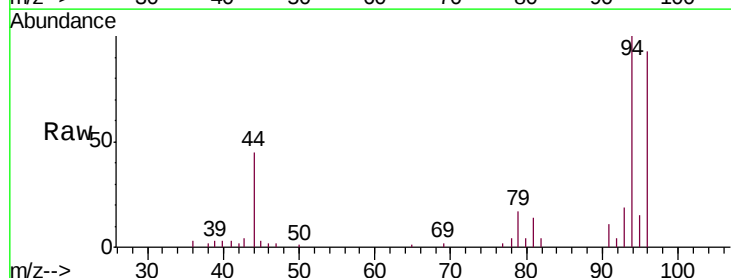
Acq: 03 Oct 2019 11:36

Tgt Ion: 94 Resp: 10033

Ion Ratio Lower Upper

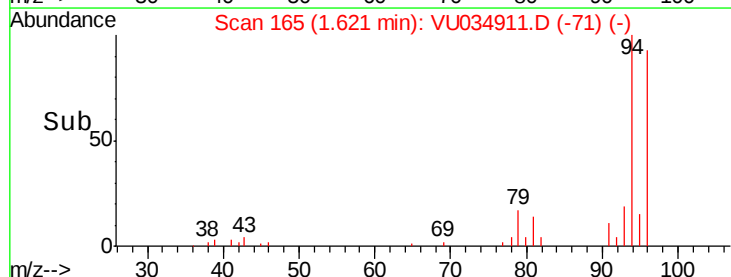
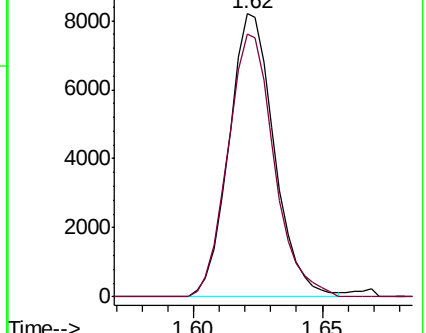
94 100

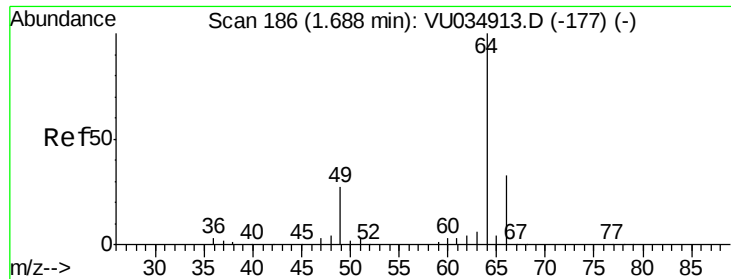
96 92.8 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VU034911.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034911.D (-155) (-)





#8

Chloroethane

Concen: 3.731 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

Instrument :

MSVOA_U

ClientSampleId :

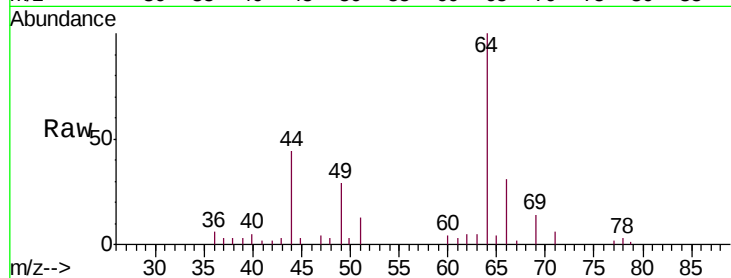
VSTD00533

Tgt Ion: 64 Resp: 10489

Ion Ratio Lower Upper

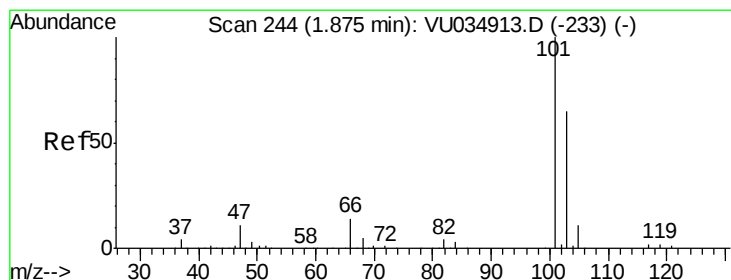
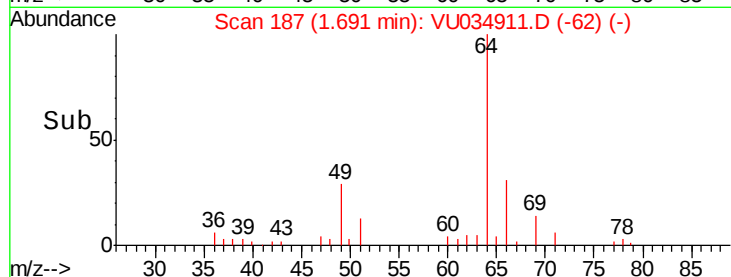
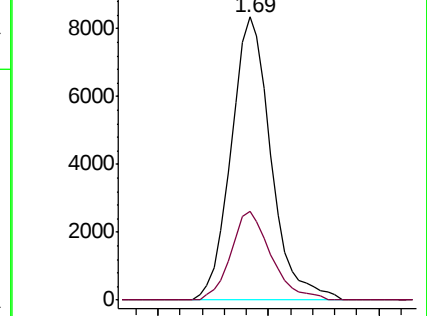
64 100

66 31.3 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU034911.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU034911.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 3.461 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU034911.D

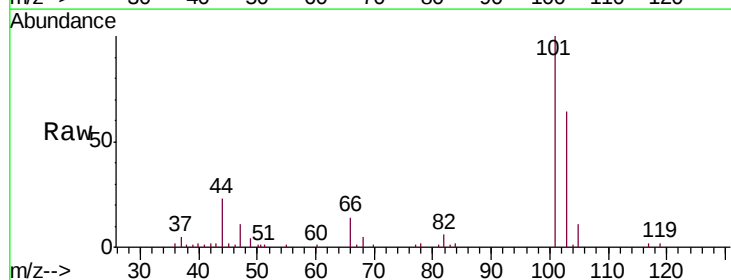
Acq: 03 Oct 2019 11:36

Tgt Ion: 101 Resp: 20945

Ion Ratio Lower Upper

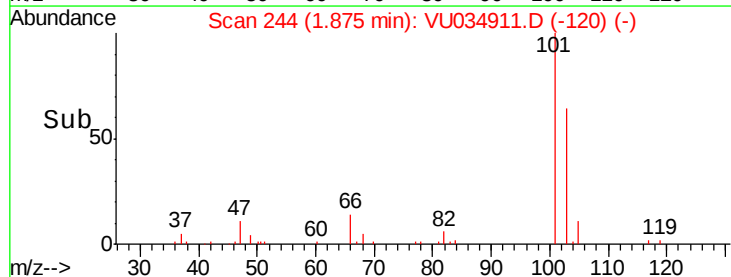
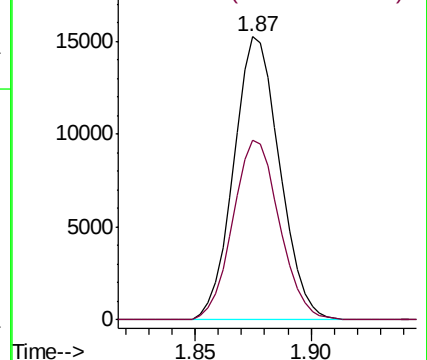
101 100

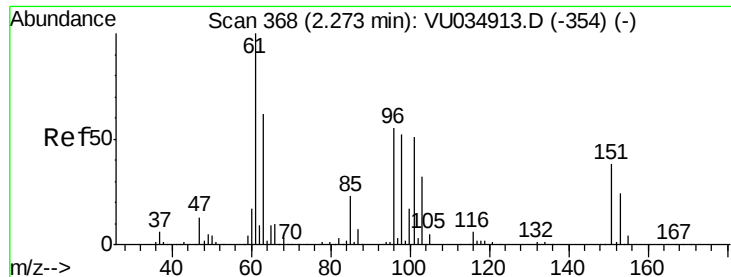
103 64.4 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU034911.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034911.D (-233) (-)





#10

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

Concen: 3.973 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

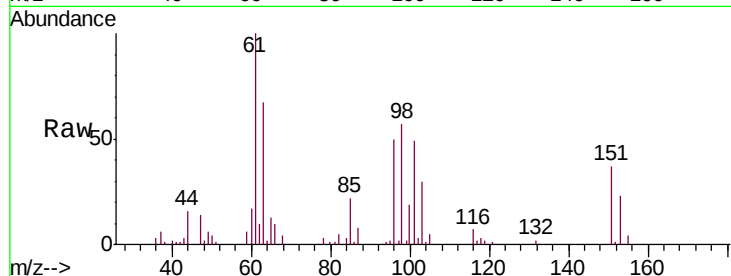
Tgt Ion: 101 Resp: 11358

Ion Ratio Lower Upper

101 100

85 47.9 35.9 53.9

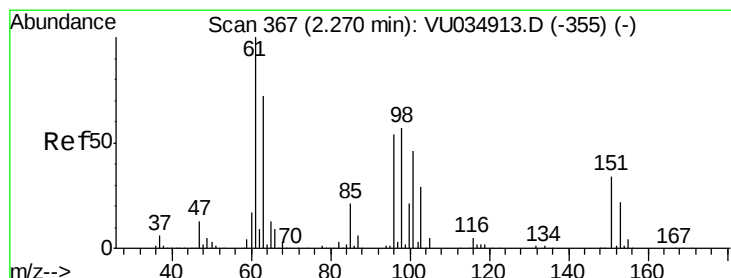
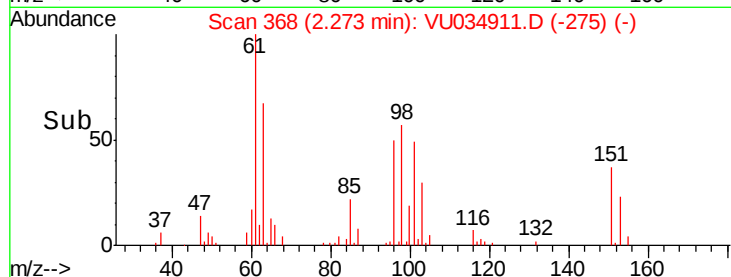
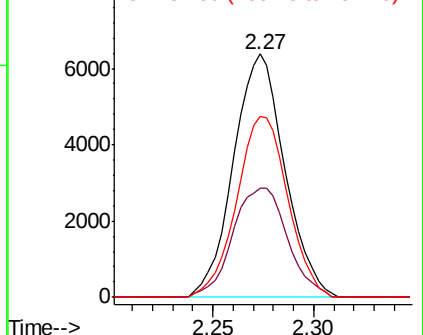
151 74.2 59.0 88.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.671 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

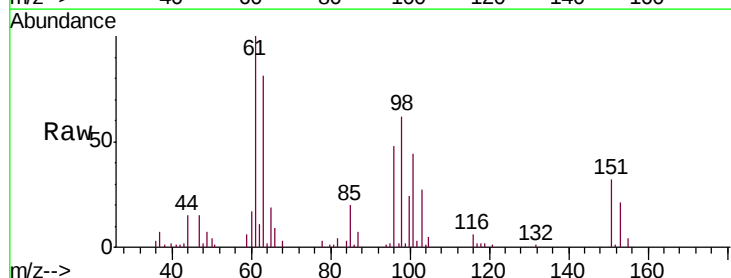
Tgt Ion: 96 Resp: 10283

Ion Ratio Lower Upper

96 100

61 210.5 131.2 243.6

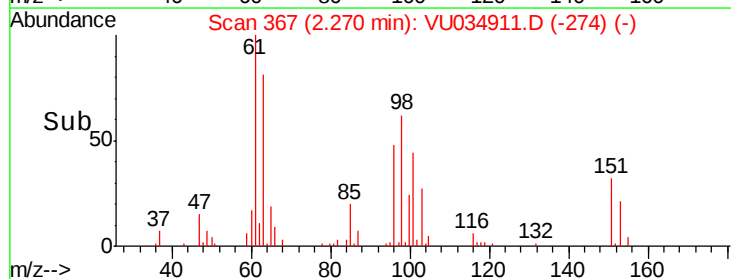
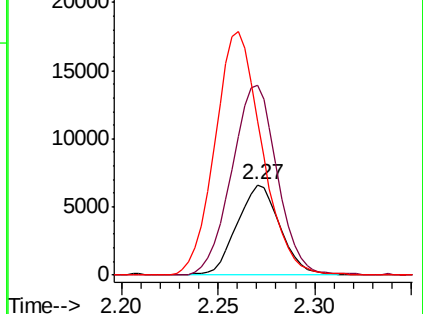
63 170.9 97.6 181.2

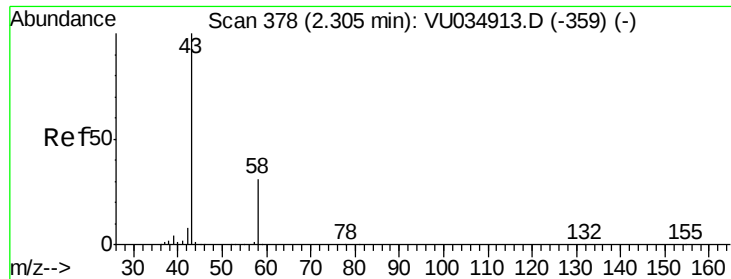


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.211 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

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MSVOA_U

ClientSampleId :

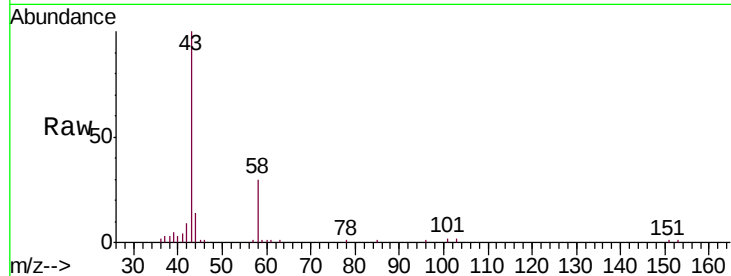
VSTD00533

Tgt Ion: 43 Resp: 21364

Ion Ratio Lower Upper

43 100

58 31.5 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VU034911.D (-359) (-)

Ion 58.00 (57.70 to 58.70): VU034911.D (-359) (-)

2.31

15000

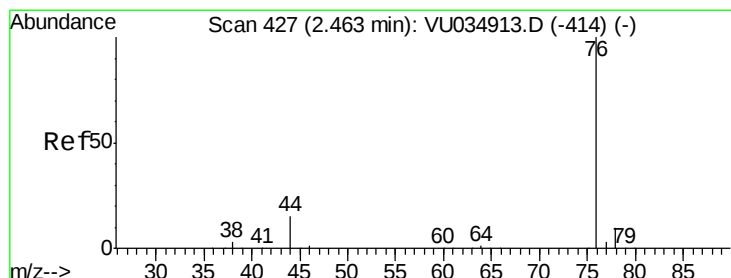
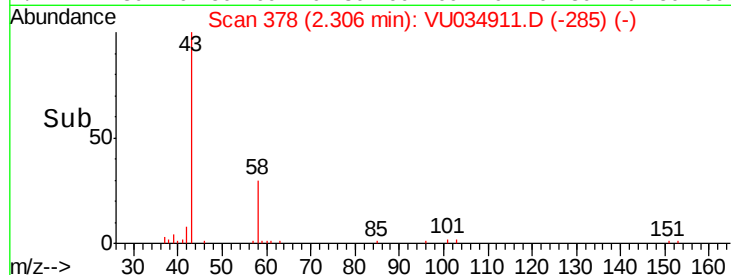
10000

5000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 4.198 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034911.D

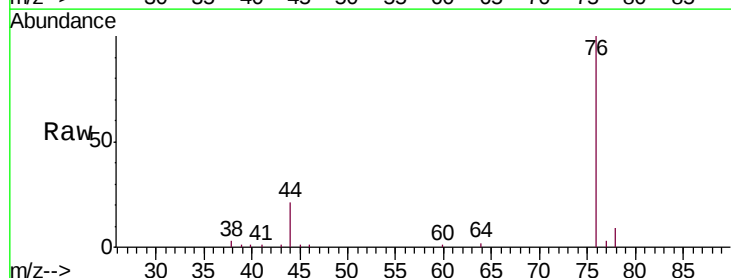
Acq: 03 Oct 2019 11:36

Tgt Ion: 76 Resp: 36600

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VU034911.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU034911.D (-334) (-)

2.46

25000

20000

15000

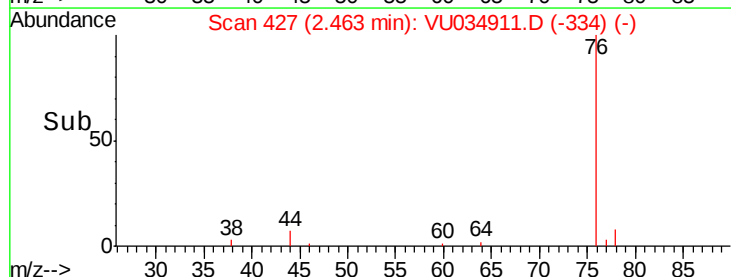
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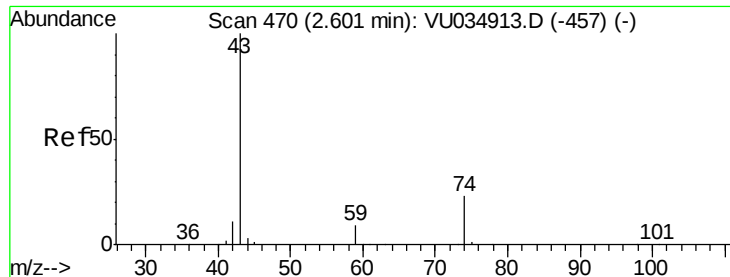
5000

0

Time-->

2.40 2.45 2.50 2.55

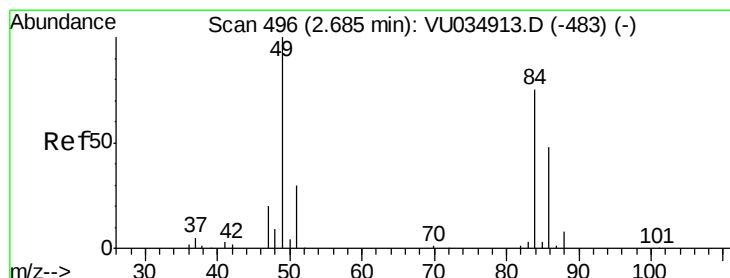
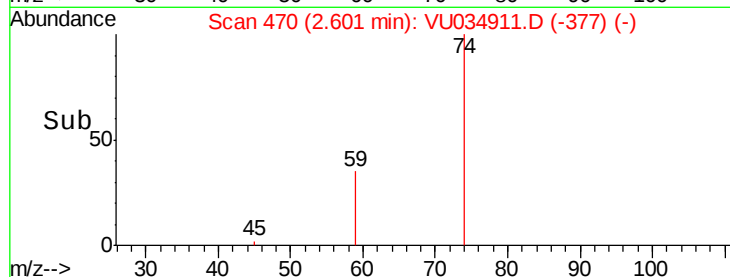
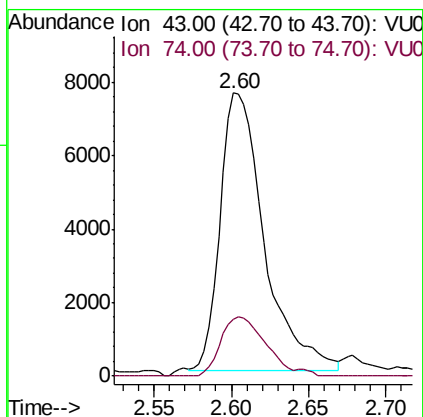
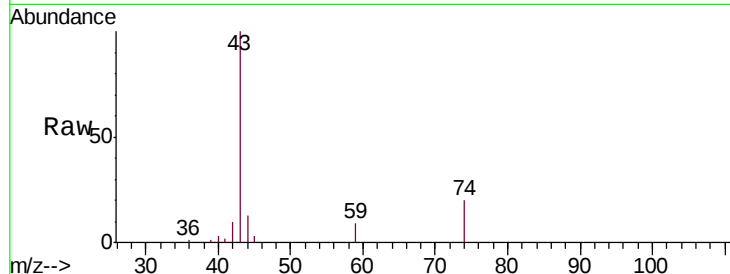




#15
Methyl Acetate
Concen: 4.301 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034911.D
Acq: 03 Oct 2019 11:36

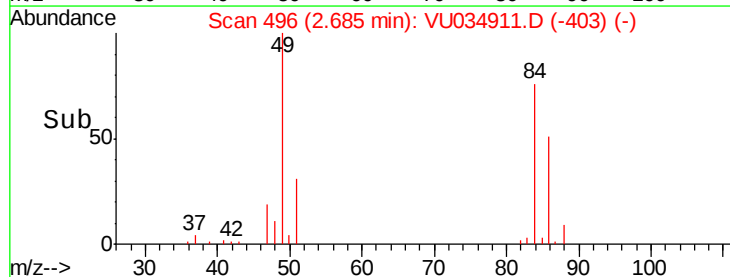
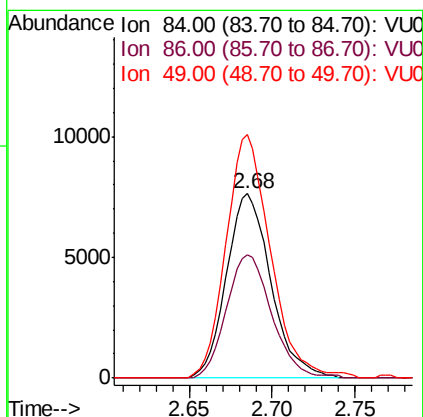
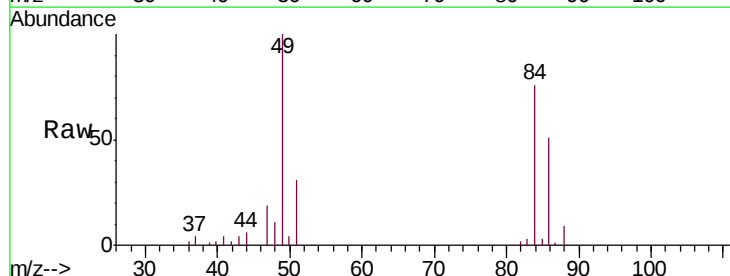
Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

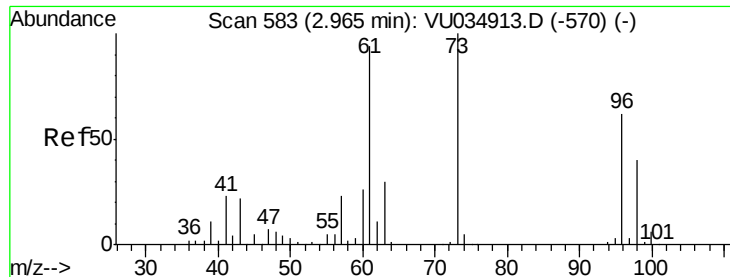
Tgt Ion: 43 Resp: 14949
Ion Ratio Lower Upper
43 100
74 21.4 17.8 26.6



#16
Methylene chloride
Concen: 4.353 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034911.D
Acq: 03 Oct 2019 11:36

Tgt Ion: 84 Resp: 14241
Ion Ratio Lower Upper
84 100
86 67.3 44.9 83.5
49 132.2 93.2 173.2

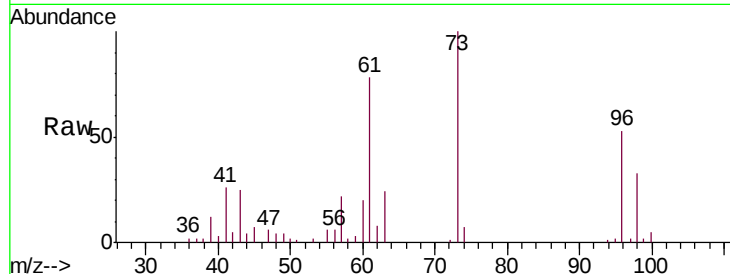




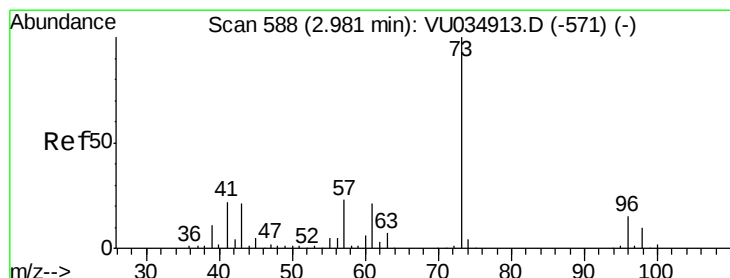
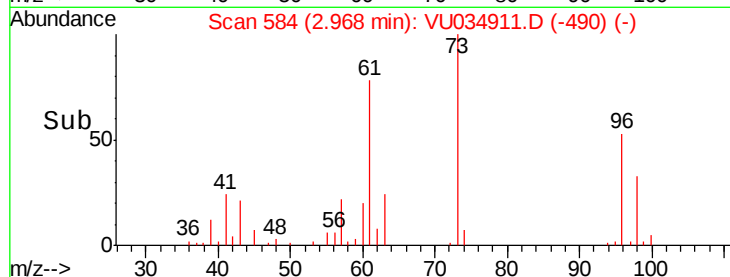
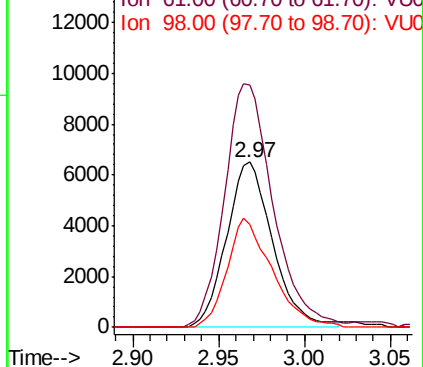
#17
trans-1,2-Dichloroethene
Concen: 4.126 ug/L
RT: 2.97 min Scan# 584
Delta R.T. 0.00 min
Lab File: VU034911.D
Acq: 03 Oct 2019 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Tgt Ion: 96 Resp: 12188
Ion Ratio Lower Upper
96 100
61 146.5 107.0 198.6
98 62.1 45.1 83.7

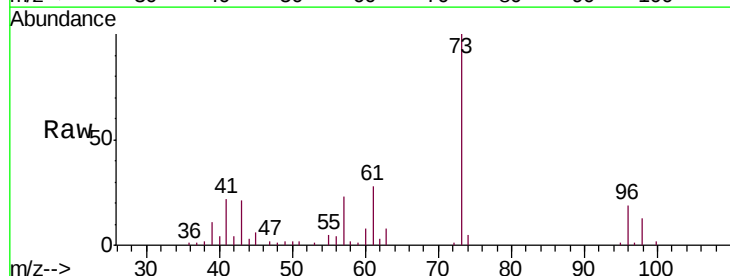


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

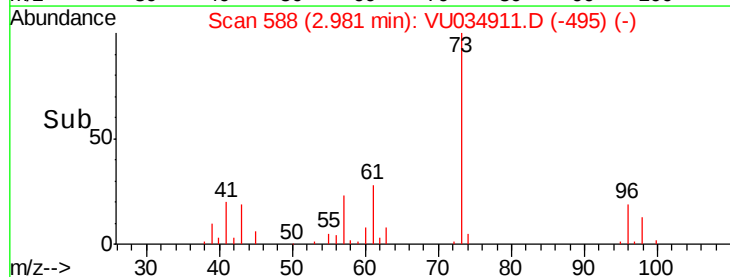
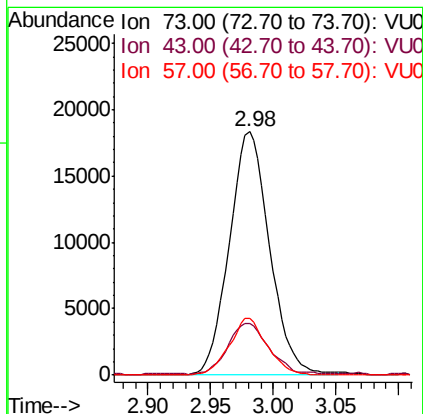


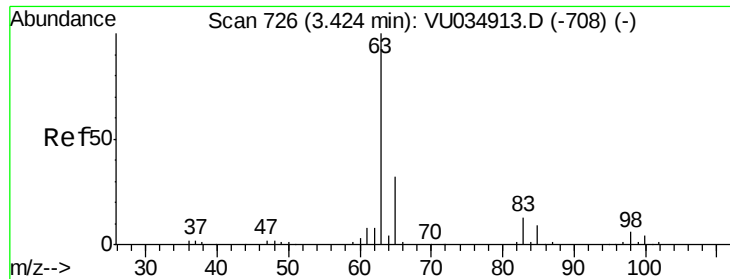
#18
Methyl tert-butyl Ether
Concen: 4.439 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034911.D
Acq: 03 Oct 2019 11:36

Tgt Ion: 73 Resp: 41064
Ion Ratio Lower Upper
73 100
43 21.9 16.8 25.2
57 21.9 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

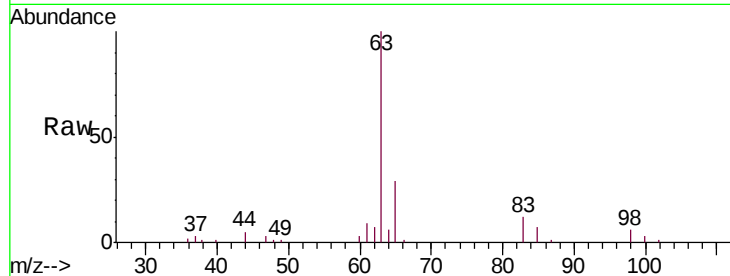




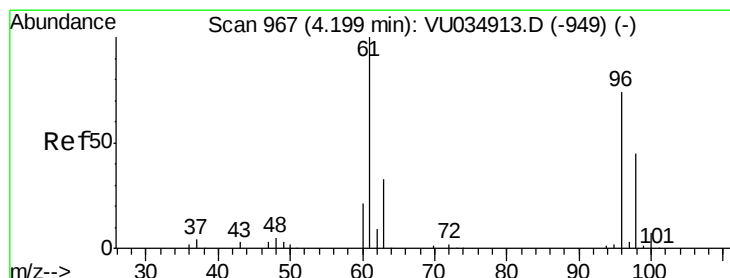
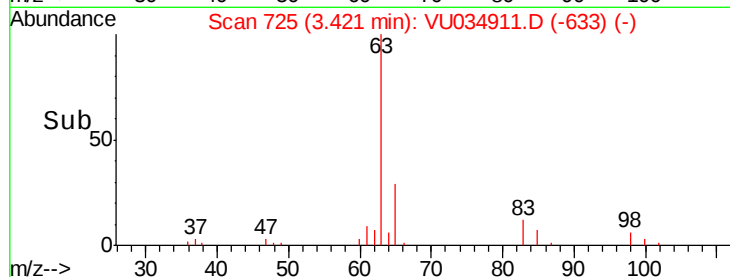
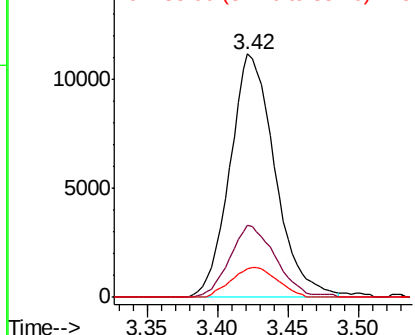
#19
 1,1-Dichloroethane
 Concen: 4.358 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU034911.D
 Acq: 03 Oct 2019 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Tgt Ion: 63 Resp: 24968
 Ion Ratio Lower Upper
 63 100
 65 29.5 22.4 41.6
 83 11.5 9.2 17.2

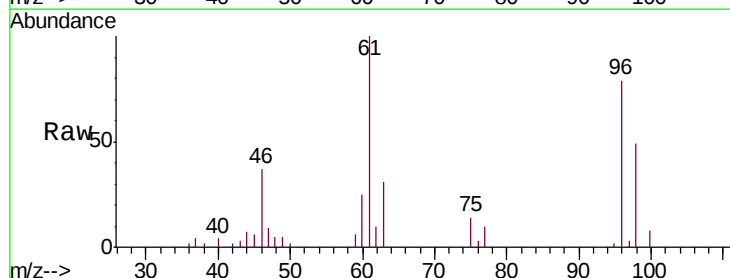


Abundance Ion 63.00 (62.70 to 63.70): VU0
 15000 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

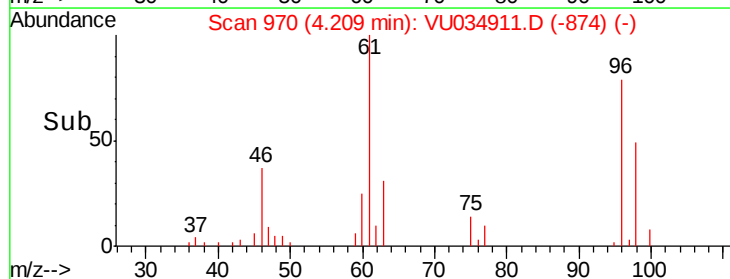
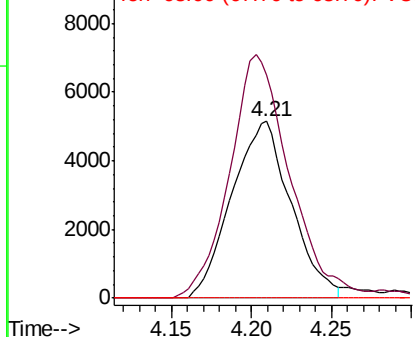


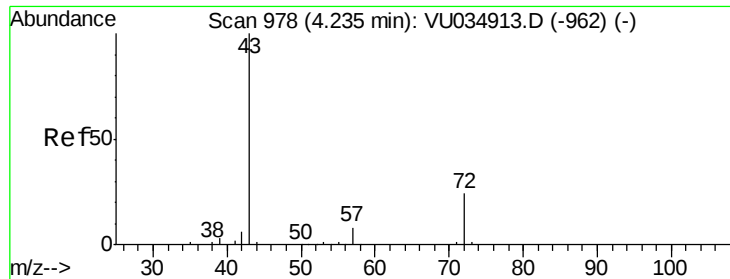
#20
 cis-1,2-Dichloroethene
 Concen: 3.946 ug/L
 RT: 4.21 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: VU034911.D
 Acq: 03 Oct 2019 11:36

Tgt Ion: 96 Resp: 13141
 Ion Ratio Lower Upper
 96 100
 61 126.1 95.2 176.8
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 8000 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 7.501 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.02 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

Instrument :

MSVOA_U

ClientSampleId :

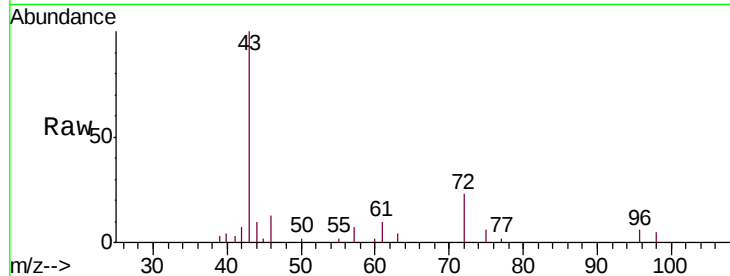
VSTD00533

Tgt Ion: 43 Resp: 21890

Ion Ratio Lower Upper

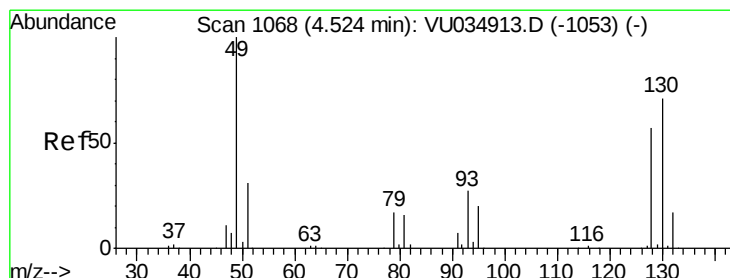
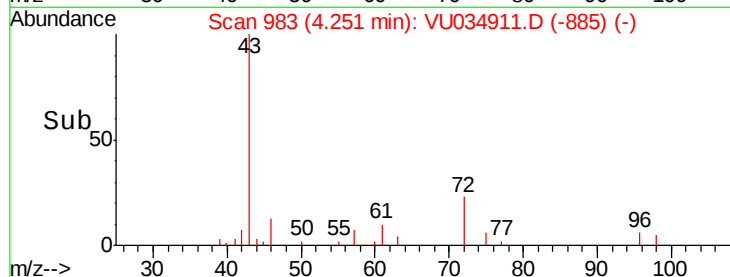
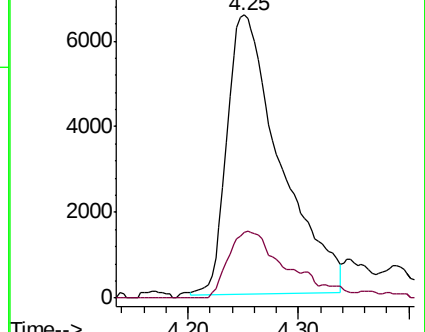
43 100

72 19.9 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU034911.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034911.D (-962) (-)



#23

Bromochloromethane

Concen: 3.922 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

Tgt Ion: 128 Resp: 6665

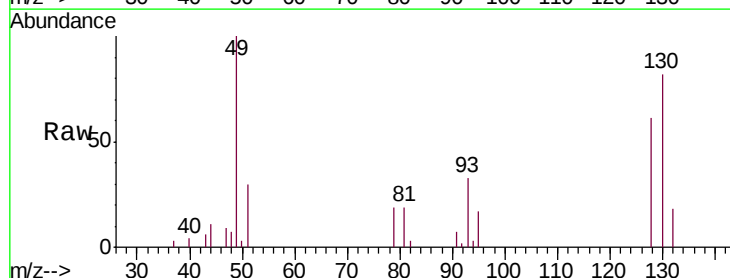
Ion Ratio Lower Upper

128 100

49 165.2 123.5 229.3

130 135.2 87.0 161.6

51 49.3 43.7 65.5

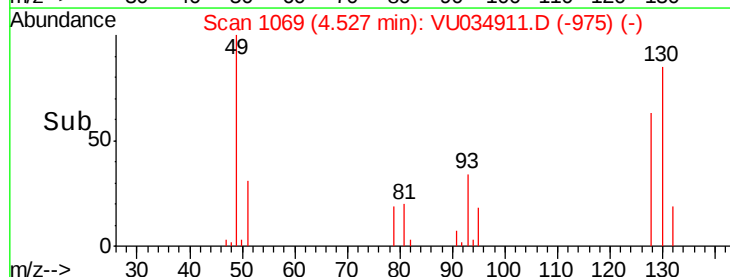
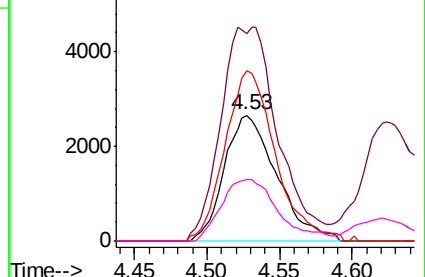


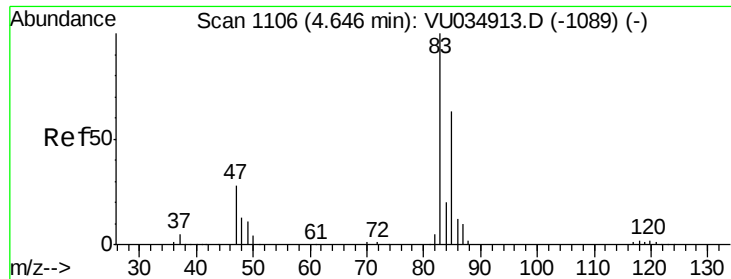
Abundance Ion 128.00 (127.70 to 128.70): VU034911.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU034911.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU034911.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU034911.D (-1053) (-)

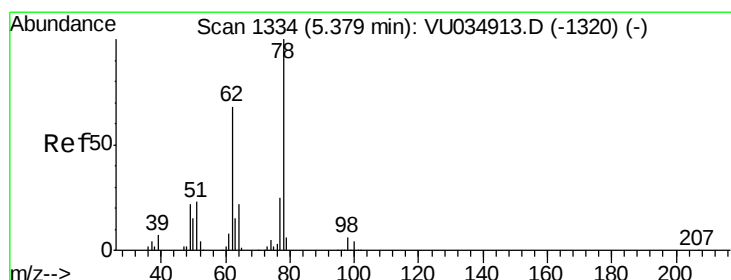
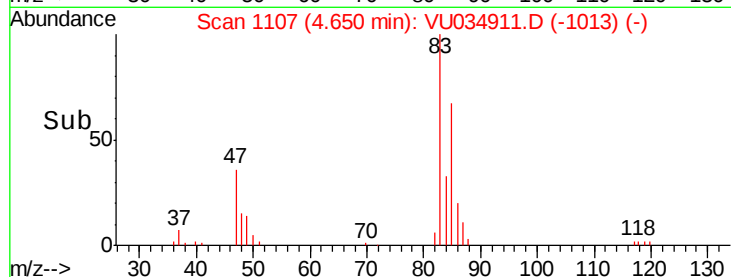
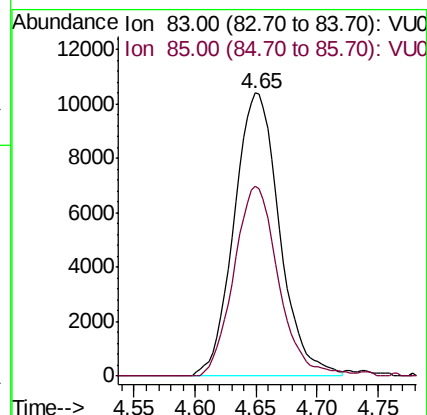
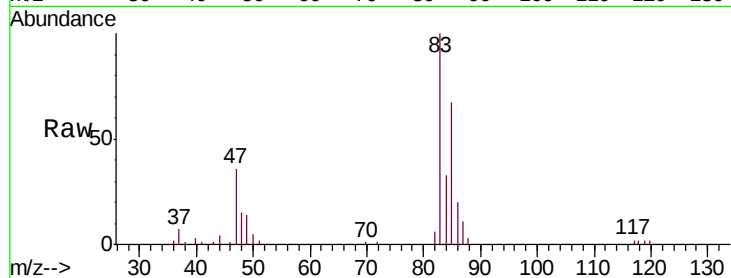




#25
Chloroform
Concen: 4.433 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034911.D
Acq: 03 Oct 2019 11:36

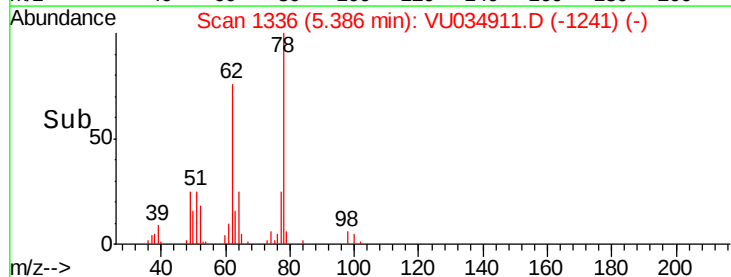
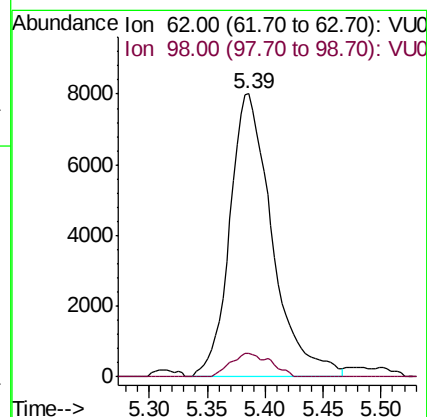
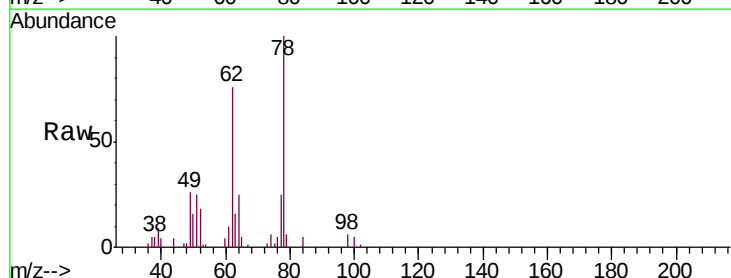
Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

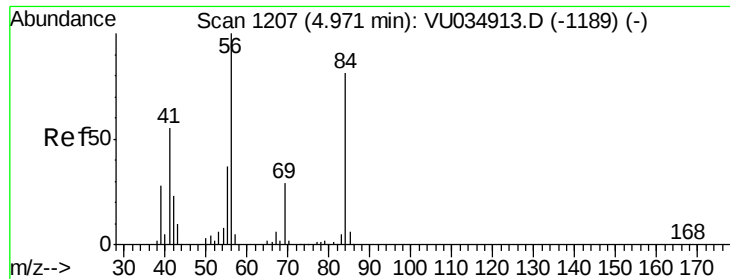
Tgt Ion: 83 Resp: 26838
Ion Ratio Lower Upper
83 100
85 67.3 44.2 82.2



#27
1,2-Dichloroethane
Concen: 4.329 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU034911.D
Acq: 03 Oct 2019 11:36

Tgt Ion: 62 Resp: 20377
Ion Ratio Lower Upper
62 100
98 8.4 6.9 10.3

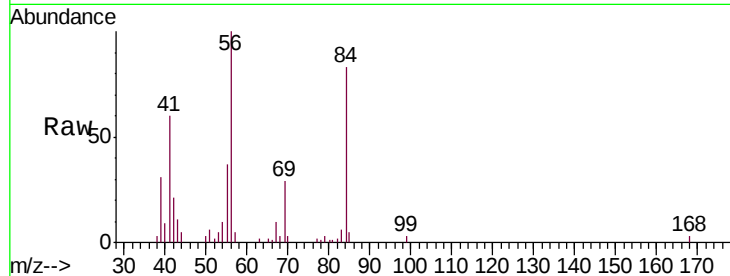




#29
Cyclohexane
Concen: 4.785 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034911.D
Acq: 03 Oct 2019 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.8	35.6
84	82.8	65.4	98.2

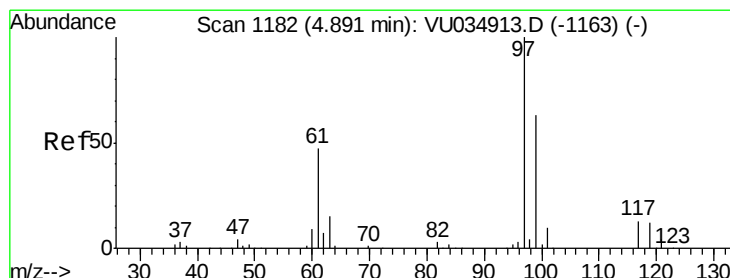
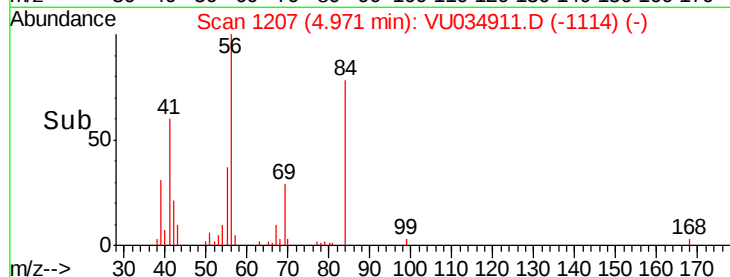
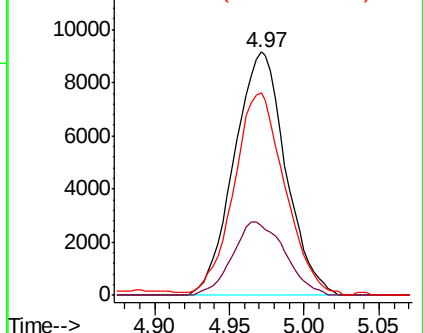


Abundance

Ion 56.00 (55.70 to 56.70): VU0

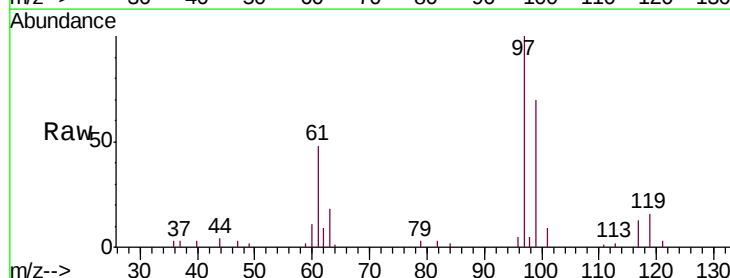
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30
1,1,1-Trichloroethane
Concen: 3.985 ug/L
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034911.D
Acq: 03 Oct 2019 11:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.1	76.7
61	49.8	38.7	58.1

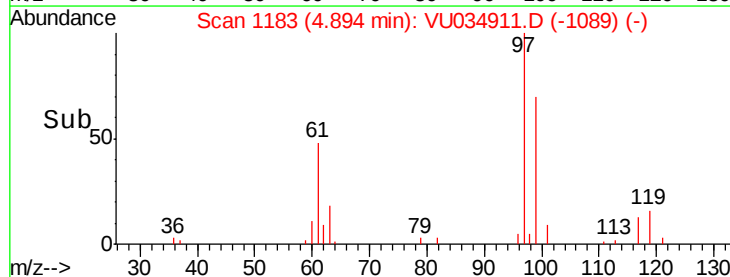
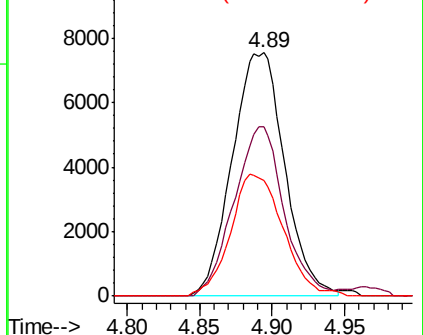


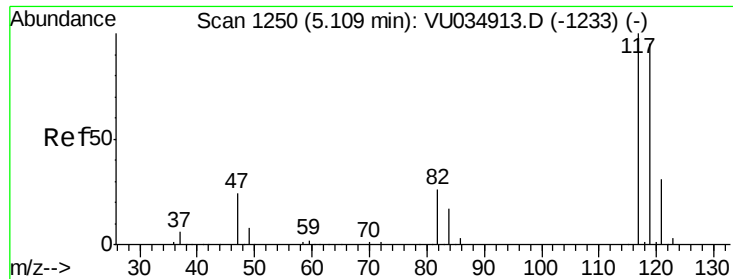
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 4.056 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

Instrument :

MSVOA_U

ClientSampleId :

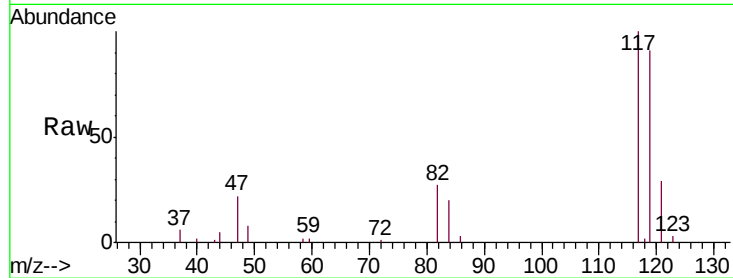
VSTD00533

Tgt Ion:117 Resp: 16856

Ion Ratio Lower Upper

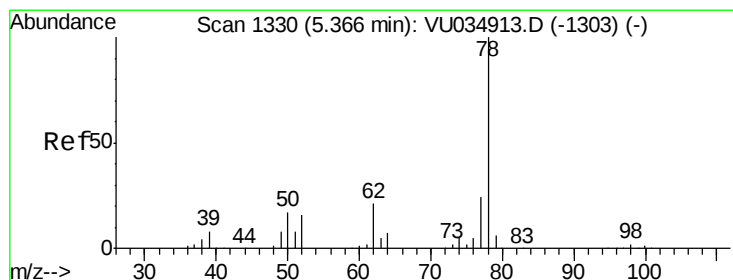
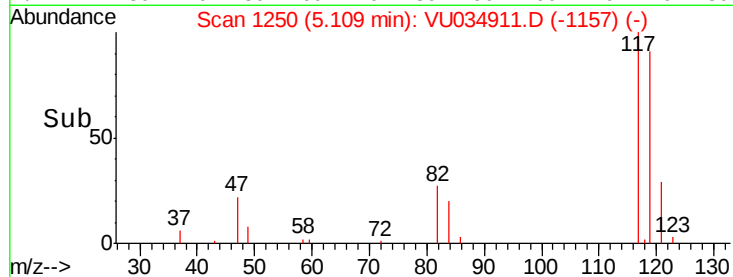
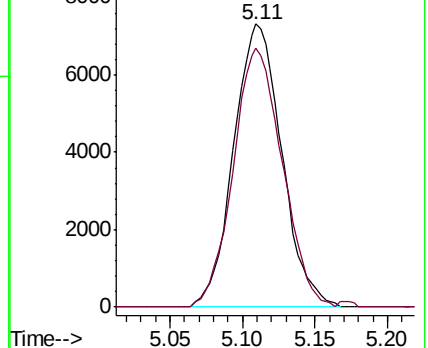
117 100

119 93.3 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 4.393 ug/L

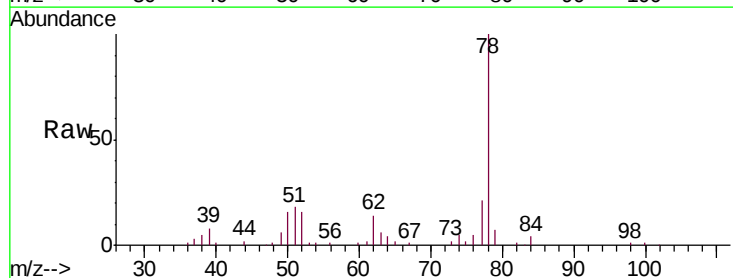
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

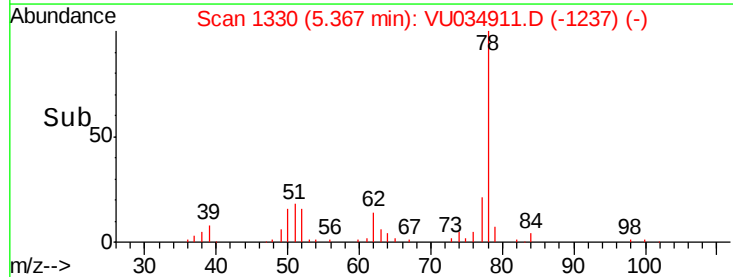
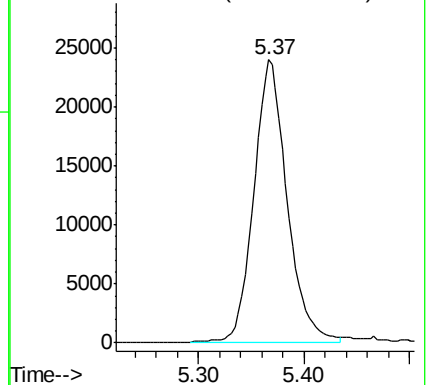
Lab File: VU034911.D

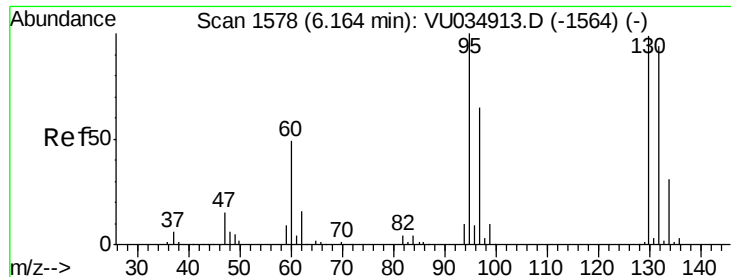
Acq: 03 Oct 2019 11:36

Tgt Ion: 78 Resp: 53000



Abundance Ion 78.00 (77.70 to 78.70): VU0

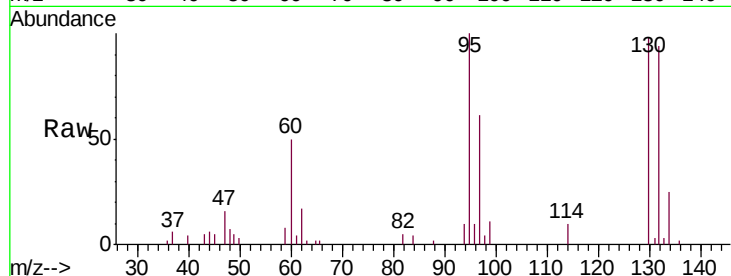




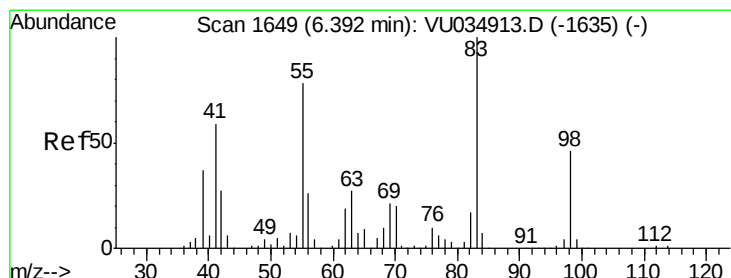
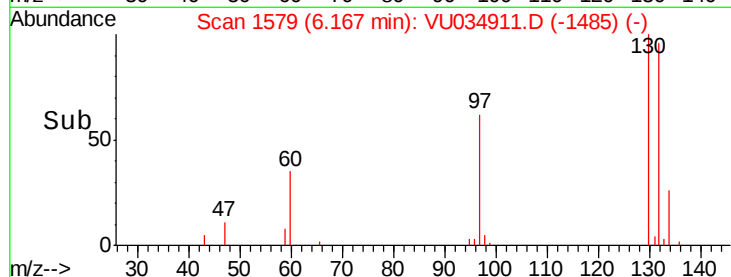
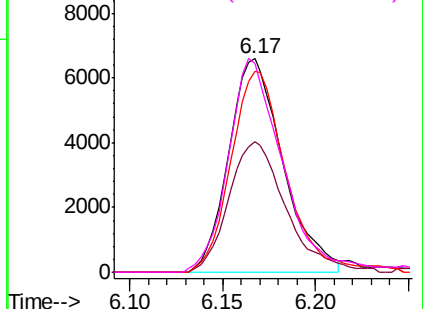
#34
 Trichloroethene
 Concen: 4.265 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU034911.D
 Acq: 03 Oct 2019 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Tgt Ion: 95 Resp: 13384
 Ion Ratio Lower Upper
 95 100
 97 60.9 45.1 83.9
 132 94.0 65.9 122.5
 130 97.7 69.0 128.2

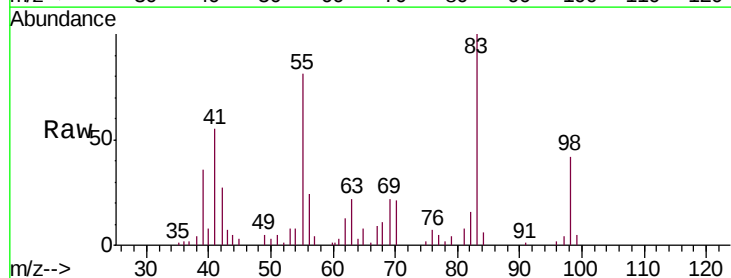


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

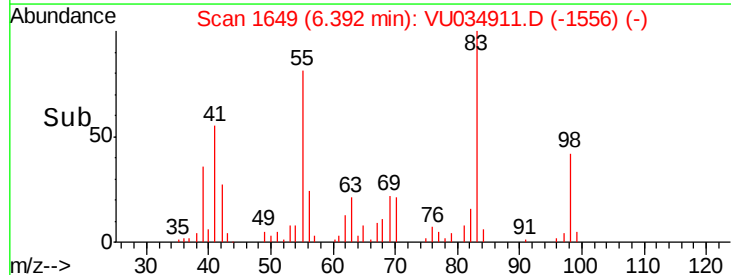
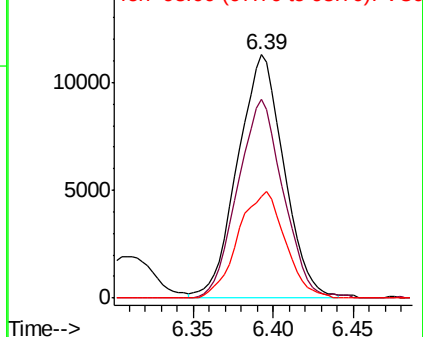


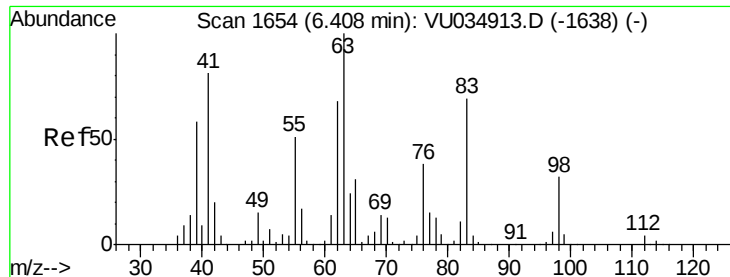
#35
 Methylcyclohexane
 Concen: 4.647 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU034911.D
 Acq: 03 Oct 2019 11:36

Tgt Ion: 83 Resp: 22438
 Ion Ratio Lower Upper
 83 100
 55 79.5 62.1 93.1
 98 44.2 36.4 54.6



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

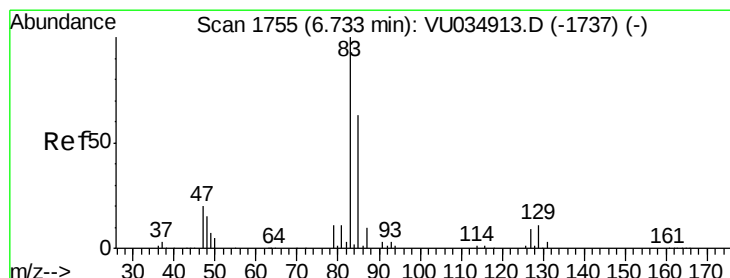
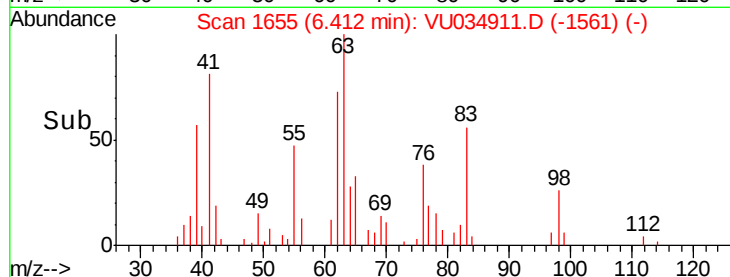
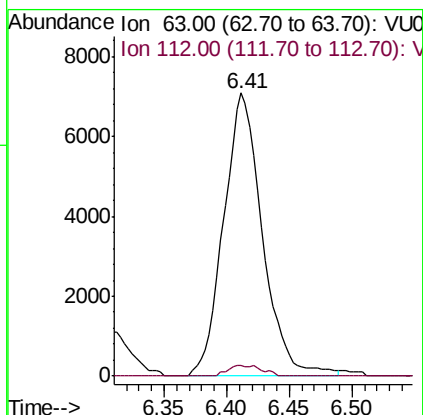
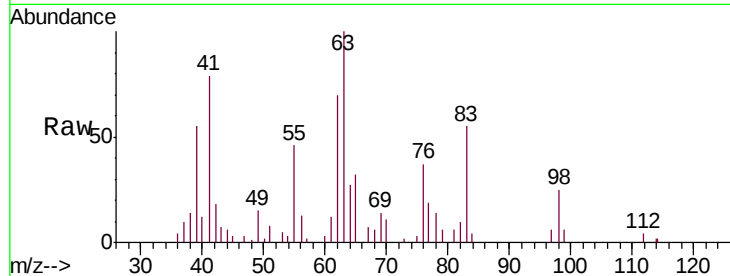




#37
 1,2-Dichloropropane
 Concen: 4.642 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034911.D
 Acq: 03 Oct 2019 11:36

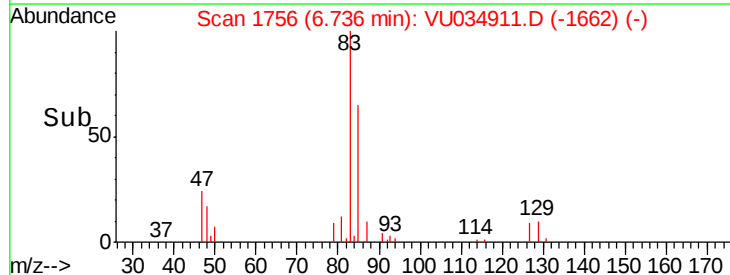
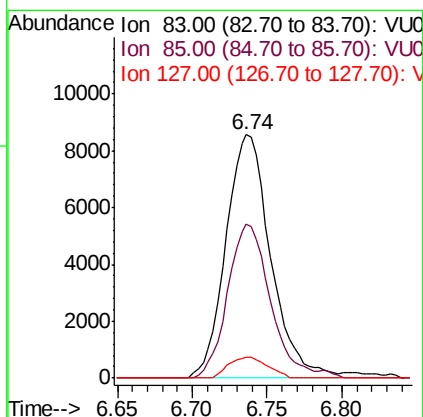
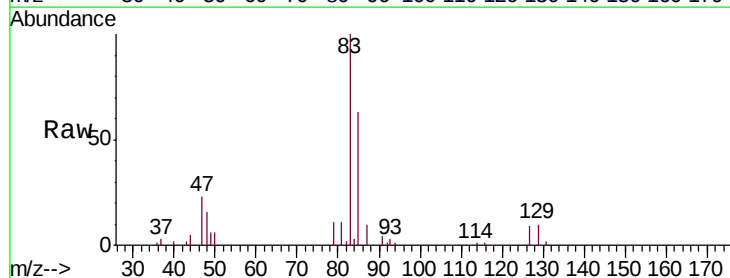
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

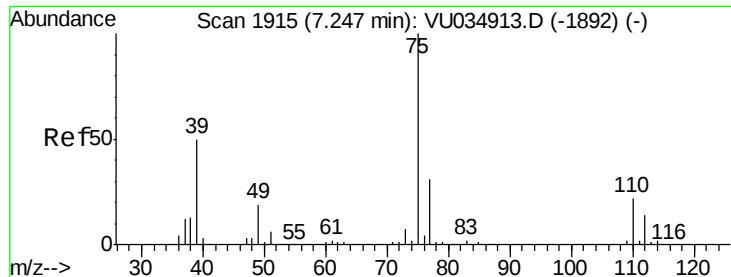
Tgt Ion: 63 Resp: 15230
 Ion Ratio Lower Upper
 63 100
 112 1.8 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 4.277 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034911.D
 Acq: 03 Oct 2019 11:36

Tgt Ion: 83 Resp: 17828
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.3 82.3
 127 8.7 7.0 10.4

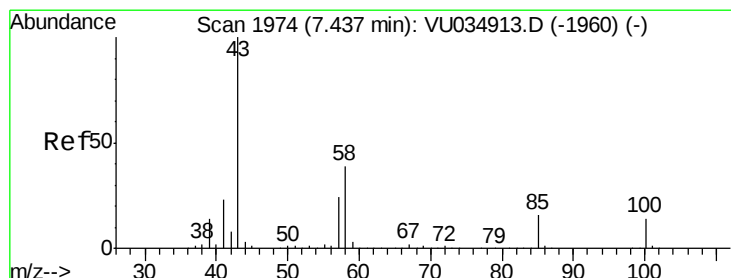
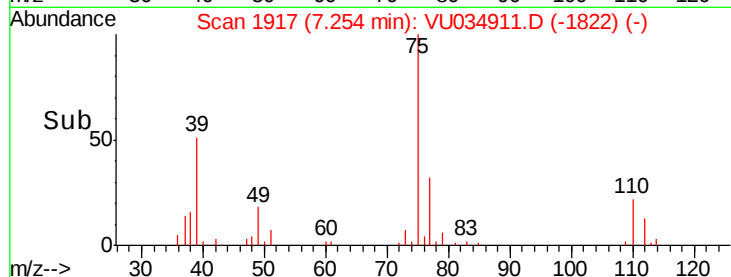
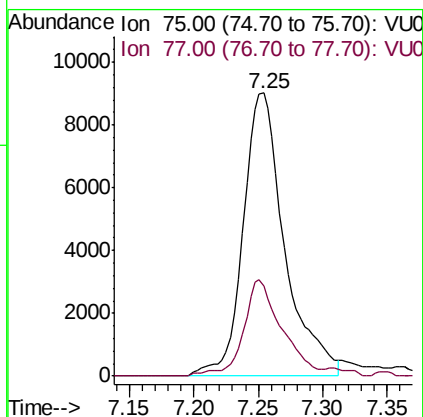
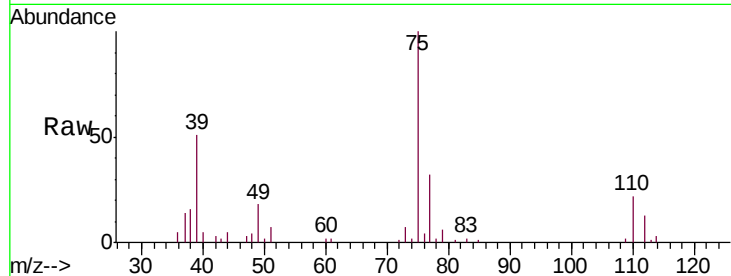




#39
 cis-1,3-Dichloropropene
 Concen: 3.998 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VU034911.D
 Acq: 03 Oct 2019 11:36

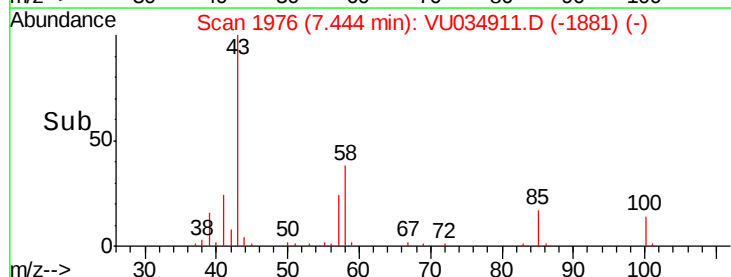
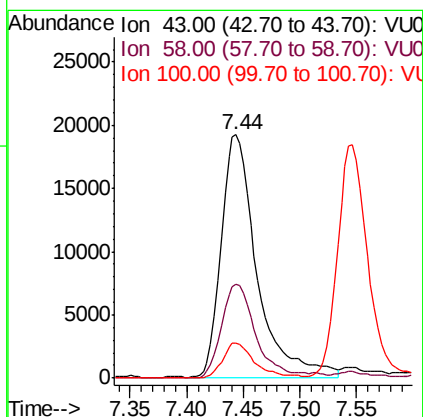
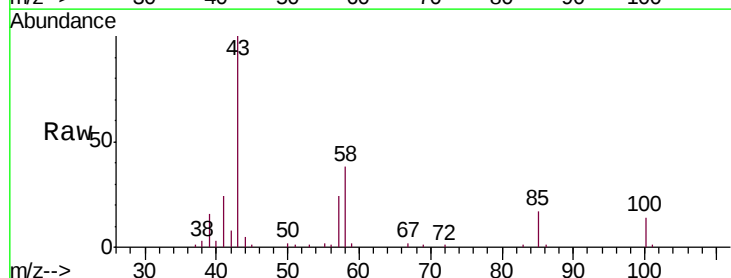
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

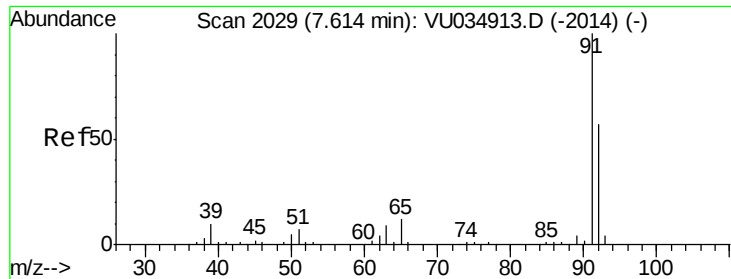
Tgt Ion: 75 Resp: 20266
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 9.394 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.01 min
 Lab File: VU034911.D
 Acq: 03 Oct 2019 11:36

Tgt Ion: 43 Resp: 42669
 Ion Ratio Lower Upper
 43 100
 58 36.1 30.7 46.1
 100 12.6 10.9 16.3





#42

Toluene

Concen: 4.260 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

Instrument :

MSVOA_U

ClientSampleId :

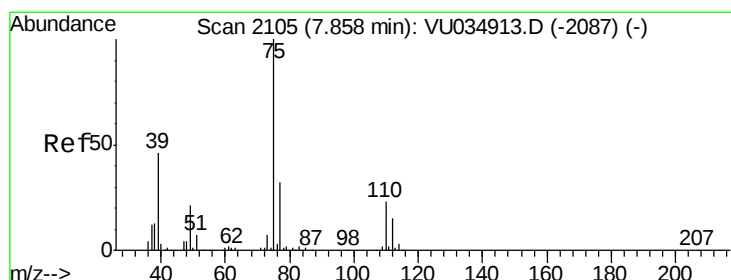
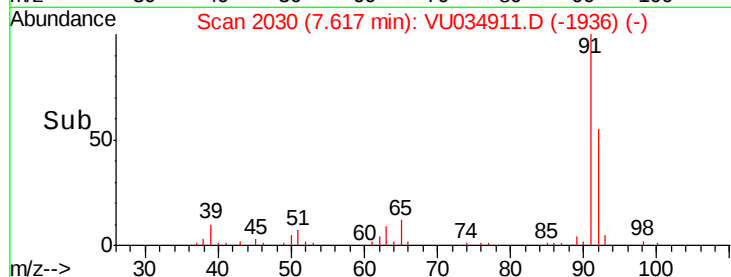
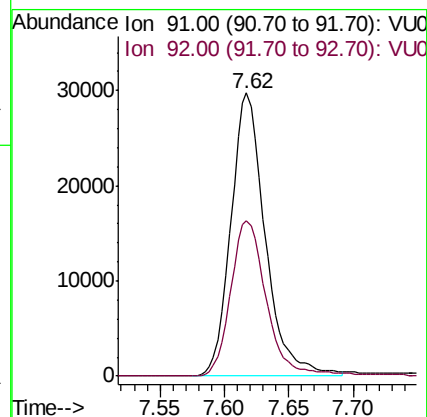
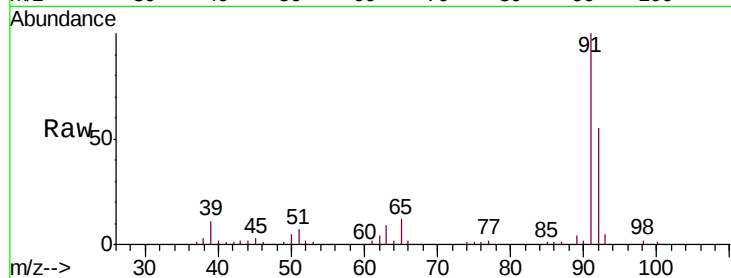
VSTD00533

Tgt Ion: 91 Resp: 55123

Ion Ratio Lower Upper

91 100

92 54.7 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 3.673 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU034911.D

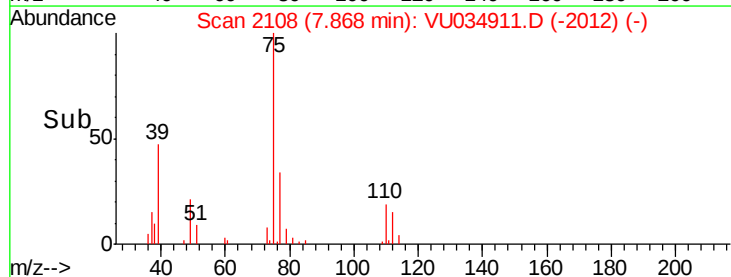
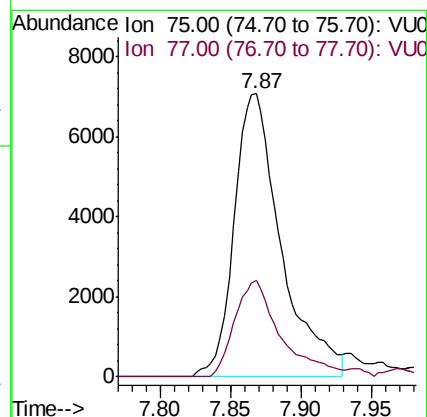
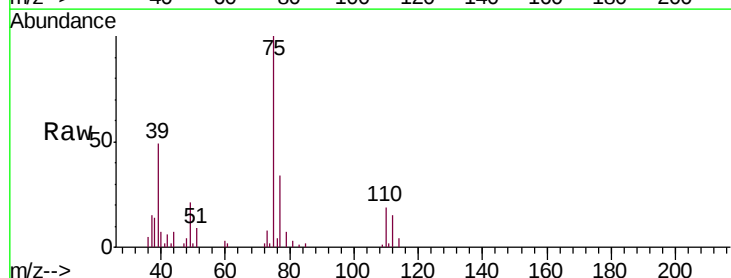
Acq: 03 Oct 2019 11:36

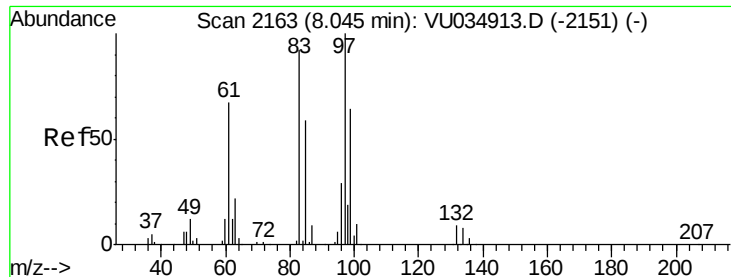
Tgt Ion: 75 Resp: 16550

Ion Ratio Lower Upper

75 100

77 34.1 22.2 41.2

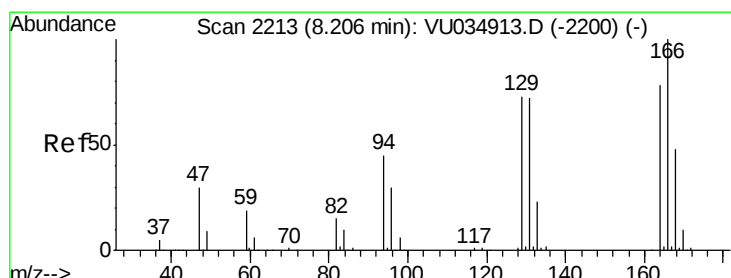
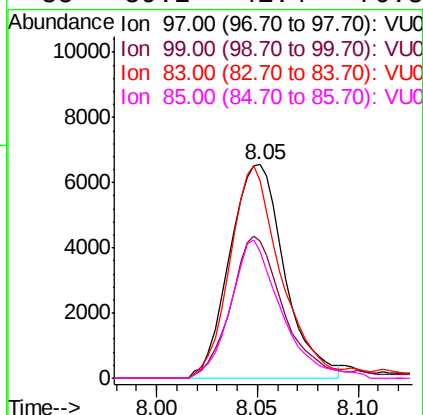
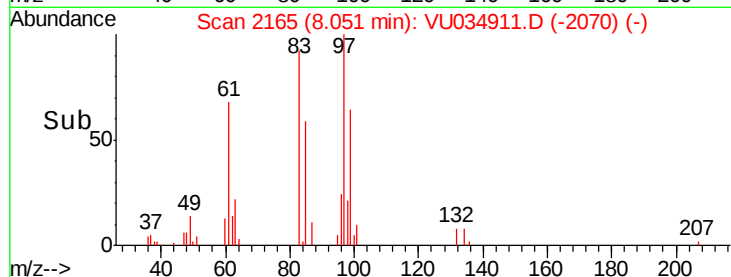
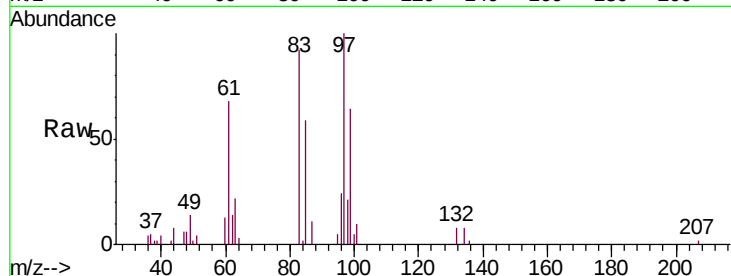




#45
 1,1,2-Trichloroethane
 Concen: 4.067 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.01 min
 Lab File: VU034911.D
 Acq: 03 Oct 2019 11:36

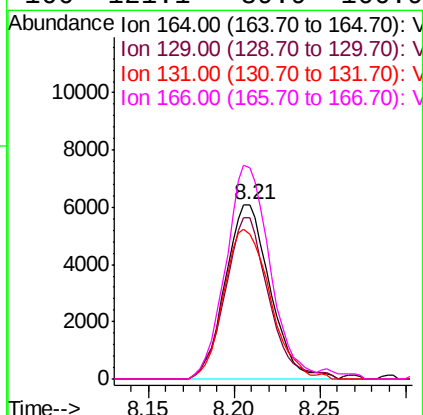
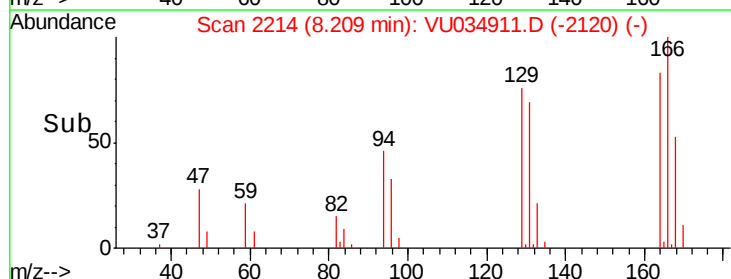
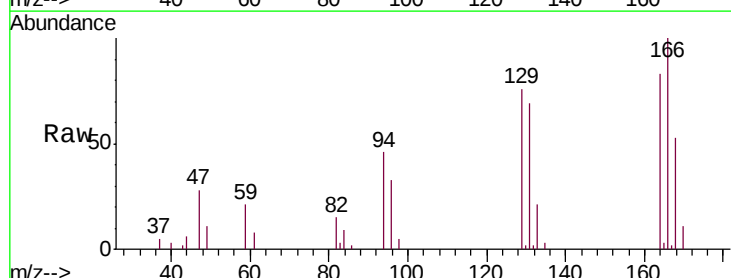
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

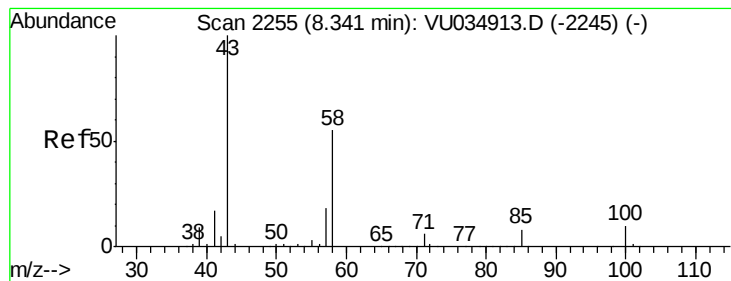
Tgt Ion:	97	Resp:	12450
Ion	Ratio	Lower	Upper
97	100		
99	64.4	44.8	83.2
83	92.1	64.4	119.6
85	59.2	41.4	76.8



#46
 Tetrachloroethene
 Concen: 4.555 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU034911.D
 Acq: 03 Oct 2019 11:36

Tgt Ion:	164	Resp:	11066
Ion	Ratio	Lower	Upper
164	100		
129	92.4	65.9	122.3
131	83.1	64.9	120.5
166	121.1	89.9	166.9





#48

2-Hexanone

Concen: 7.319 ug/L

RT: 8.35 min Scan# 2258

Delta R.T. 0.01 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

Tgt Ion: 43 Resp: 26950

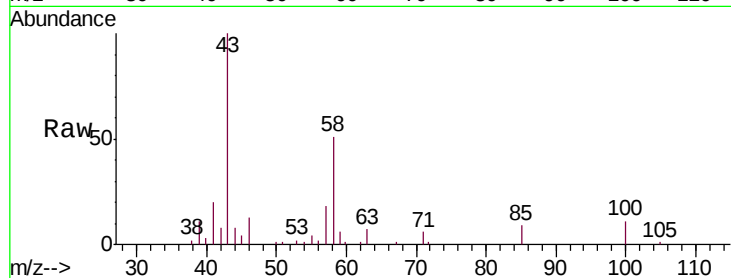
Ion Ratio Lower Upper

43 100

58 65.1 40.8 61.2#

57 19.4 14.0 21.0

100 10.4 8.0 12.0

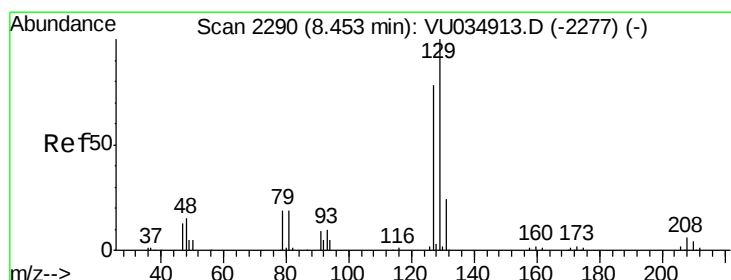
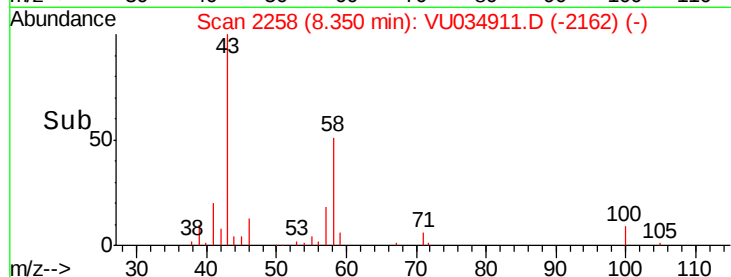
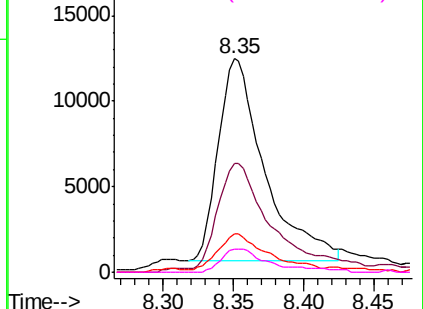


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 3.732 ug/L

RT: 8.46 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU034911.D

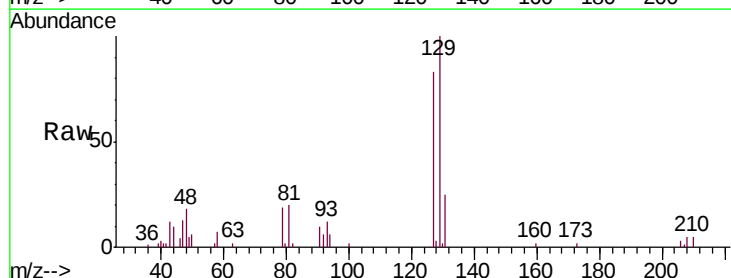
Acq: 03 Oct 2019 11:36

Tgt Ion: 129 Resp: 12697

Ion Ratio Lower Upper

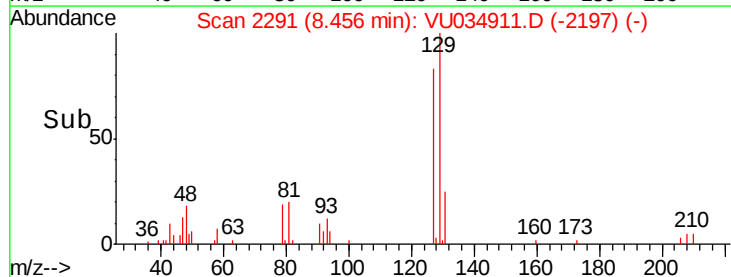
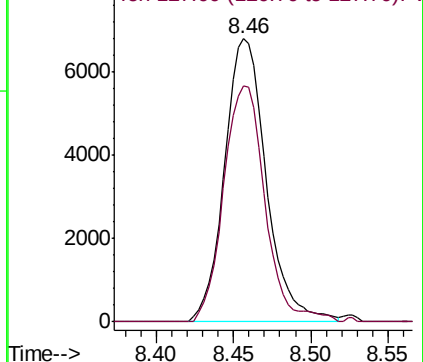
129 100

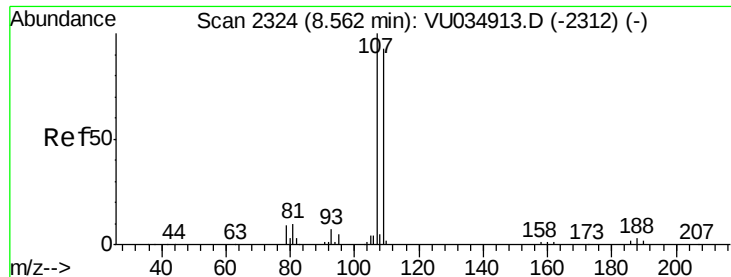
127 83.5 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

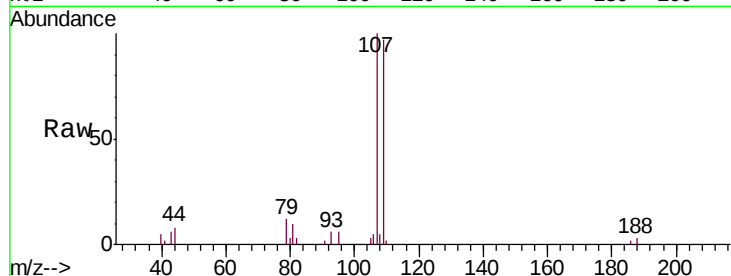




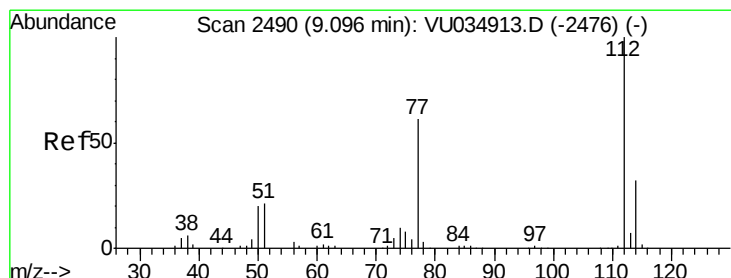
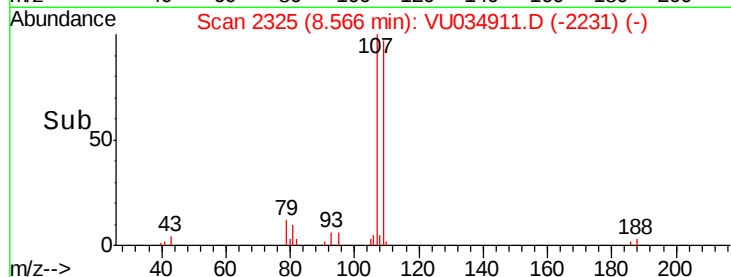
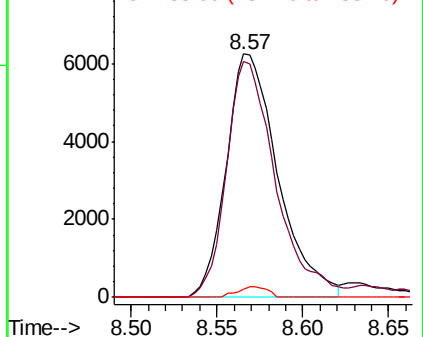
#50
1,2-Dibromoethane
Concen: 3.938 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU034911.D
Acq: 03 Oct 2019 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Tgt Ion:107 Resp: 13121
Ion Ratio Lower Upper
107 100
109 96.8 65.2 121.0
188 3.3 2.6 4.0

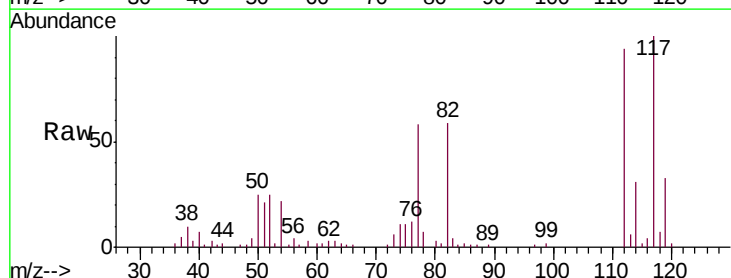


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

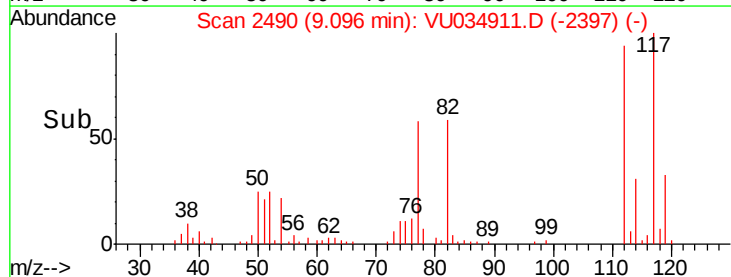
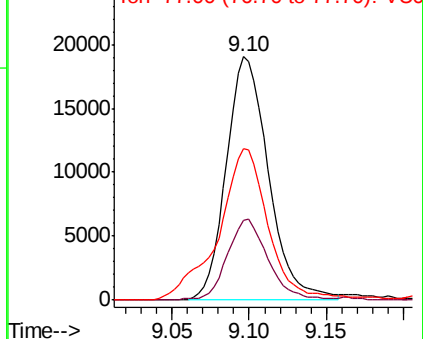


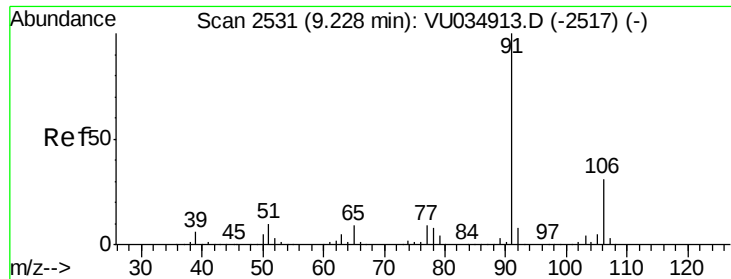
#51
Chlorobenzene
Concen: 4.300 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034911.D
Acq: 03 Oct 2019 11:36

Tgt Ion:112 Resp: 36148
Ion Ratio Lower Upper
112 100
114 32.8 22.3 41.3
77 62.2 48.7 73.1



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





#52

Ethylbenzene

Concen: 4.363 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

Instrument :

MSVOA_U

ClientSampleId :

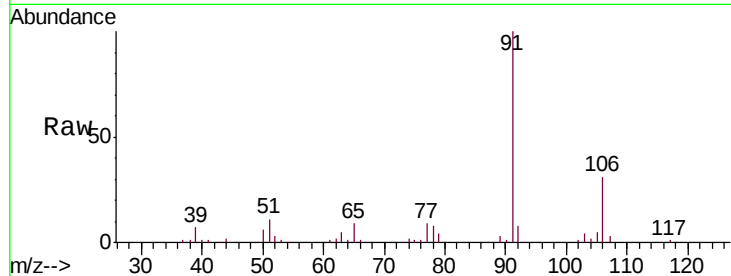
VSTD00533

Tgt Ion: 91 Resp: 60608

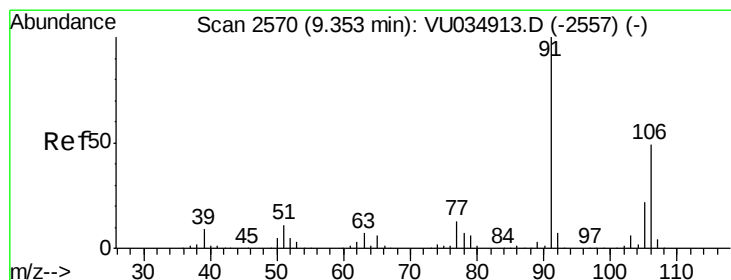
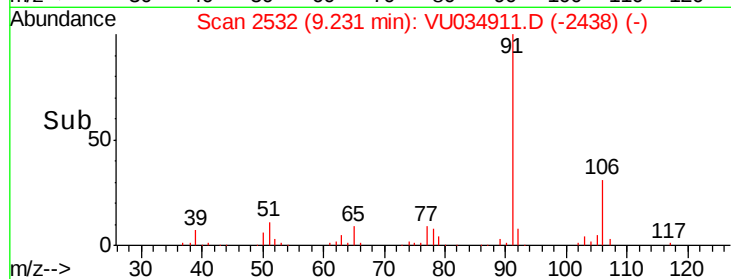
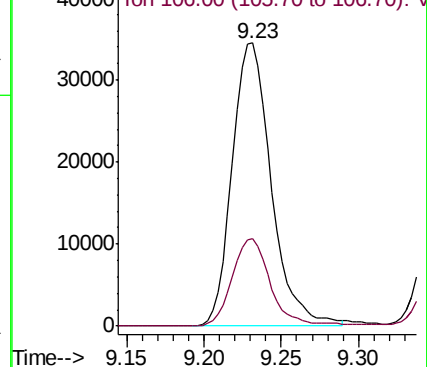
Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU034911.D (-2517) (-)



#53

m,p-Xylene

Concen: 4.295 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034911.D

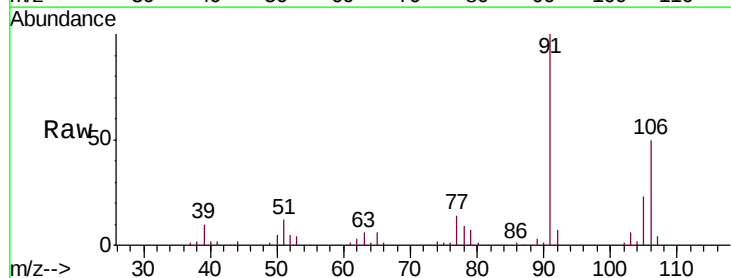
Acq: 03 Oct 2019 11:36

Tgt Ion: 106 Resp: 22505

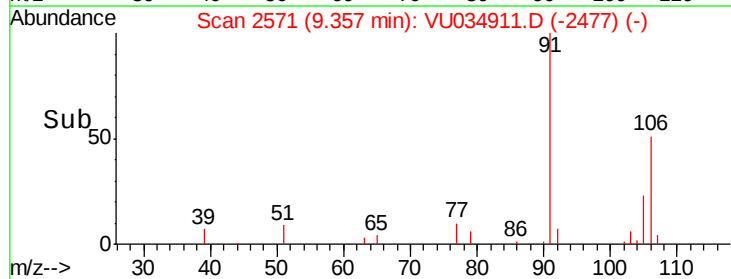
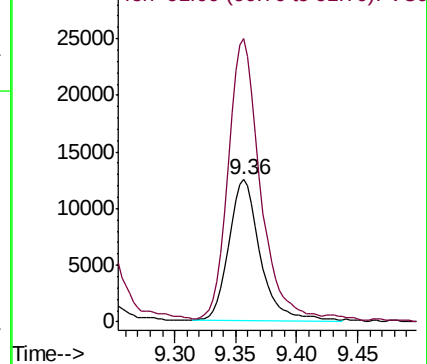
Ion Ratio Lower Upper

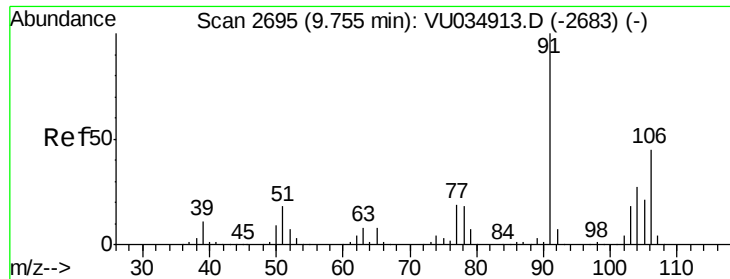
106 100

91 198.8 144.5 268.3



Abundance Ion 106.00 (105.70 to 106.70): VU034911.D (-2557) (-)

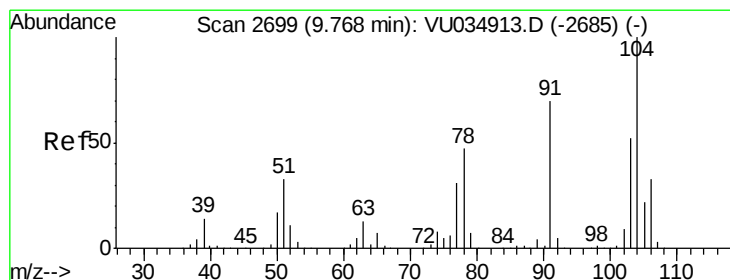
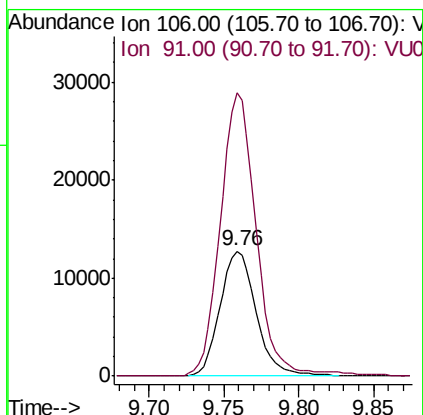
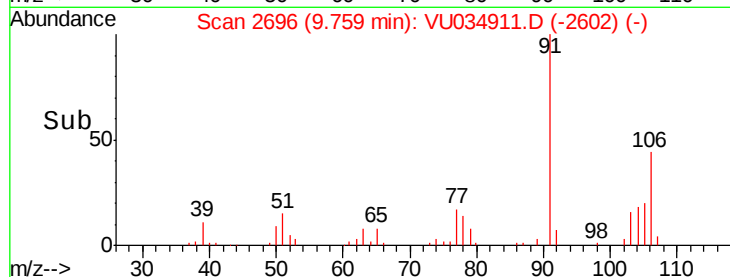
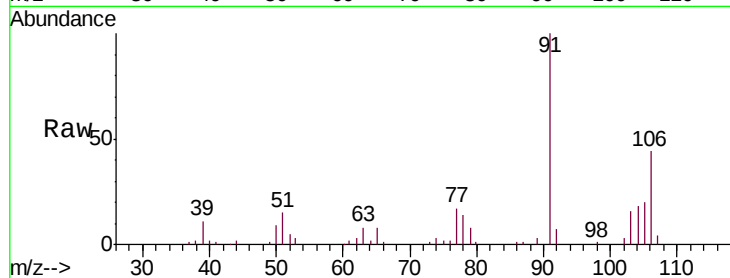




#54
o-xylene
Concen: 4.151 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034911.D
Acq: 03 Oct 2019 11:36

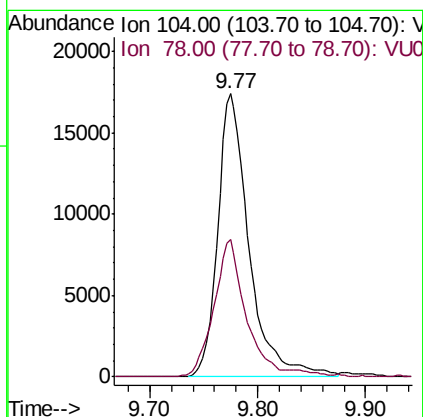
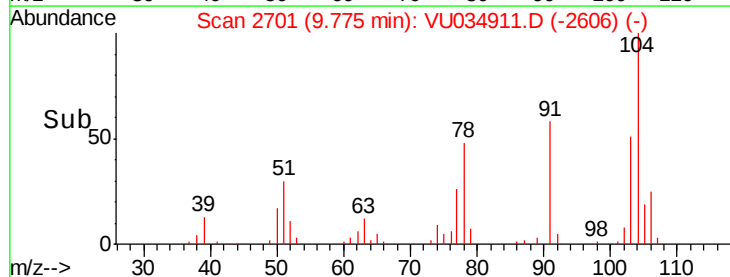
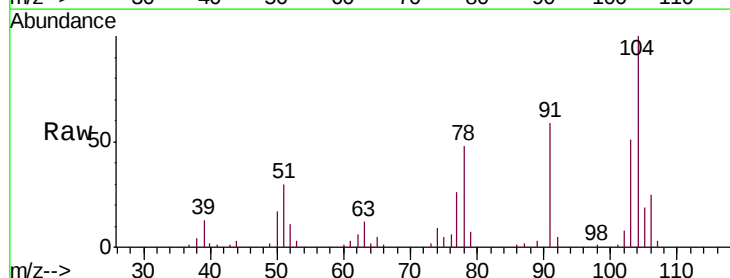
Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

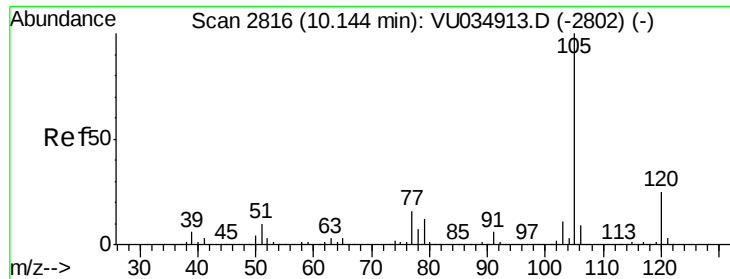
Tgt Ion:106 Resp: 21569
Ion Ratio Lower Upper
106 100
91 226.2 154.1 286.3



#55
Styrene
Concen: 4.003 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.01 min
Lab File: VU034911.D
Acq: 03 Oct 2019 11:36

Tgt Ion:104 Resp: 35131
Ion Ratio Lower Upper
104 100
78 48.4 33.0 61.4





#56

Isopropylbenzene

Concen: 4.313 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

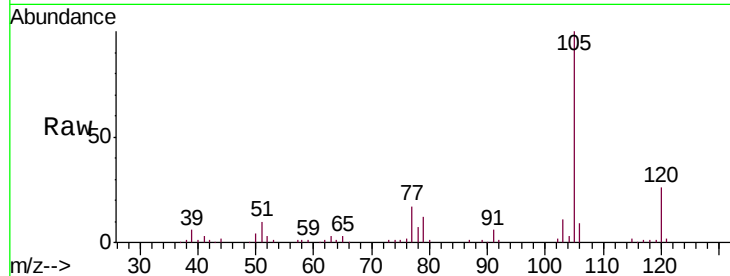
Tgt Ion: 105 Resp: 57843

Ion Ratio Lower Upper

105 100

120 25.3 20.8 31.2

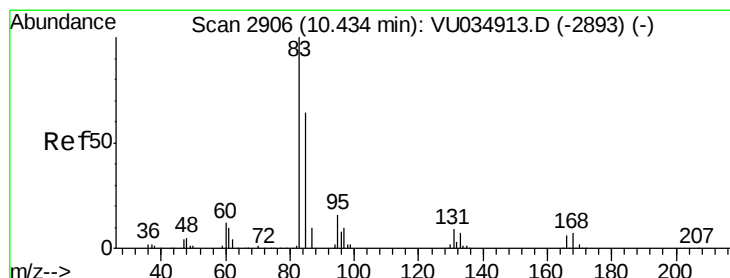
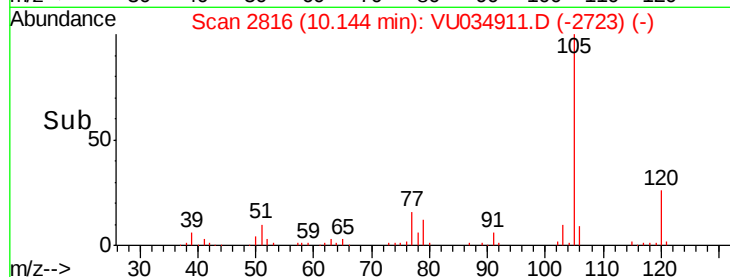
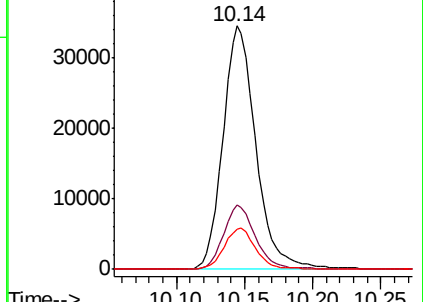
77 16.2 12.8 19.2



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: 4.137 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

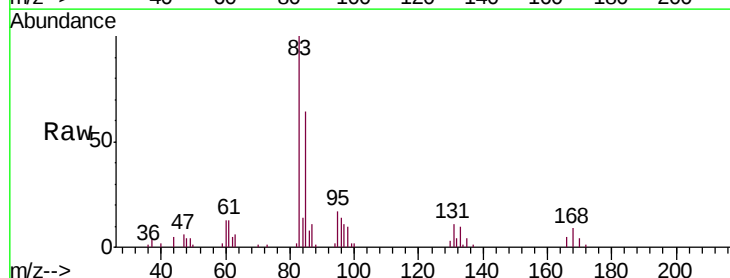
Tgt Ion: 83 Resp: 22358

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9

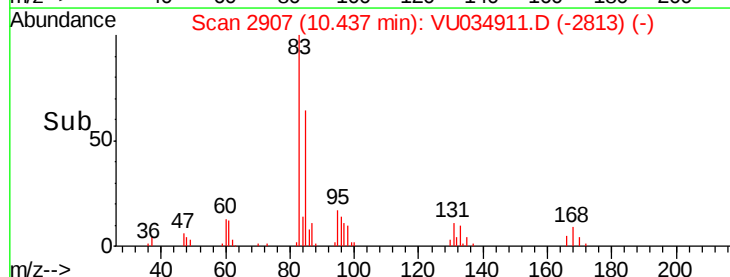
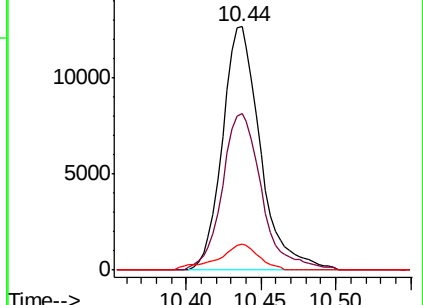
131 10.7 7.4 11.2

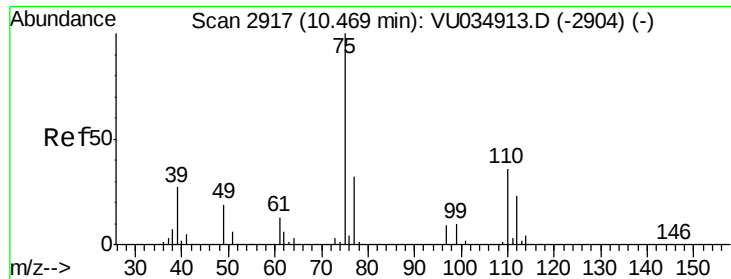


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

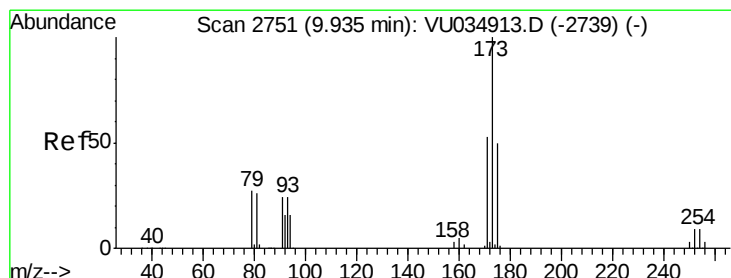
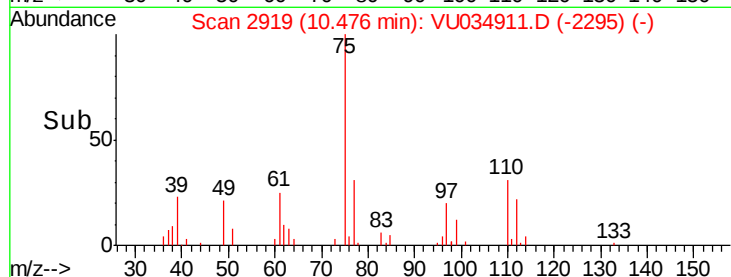
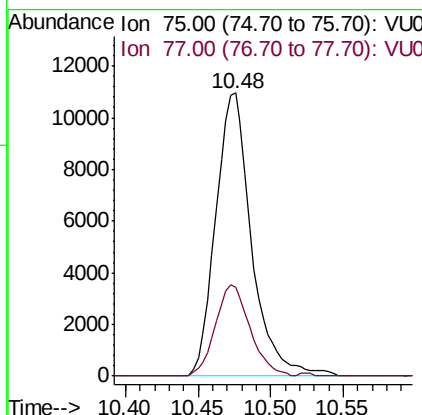
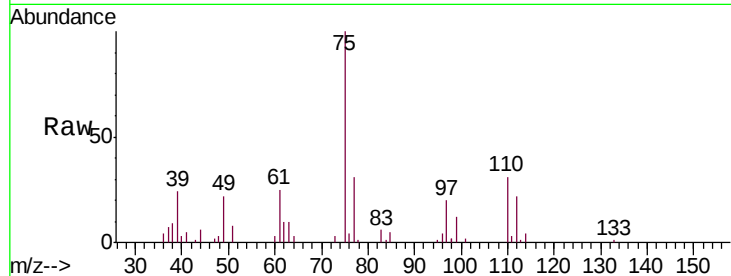




#59
 1,2,3-Trichloropropane
 Concen: 4.396 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.01 min
 Lab File: VU034911.D
 Acq: 03 Oct 2019 11:36

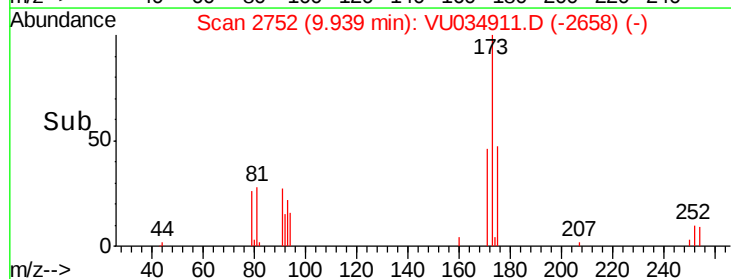
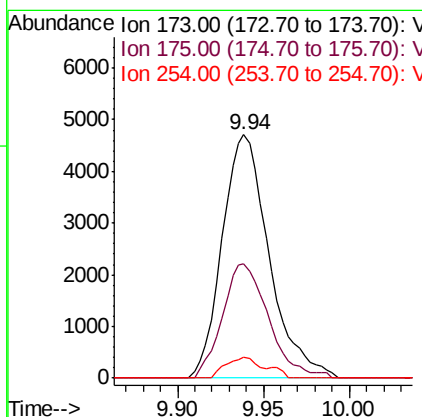
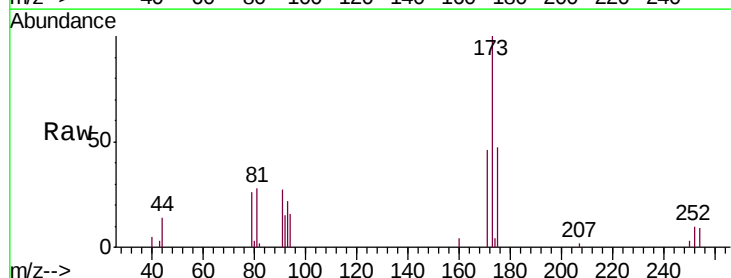
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

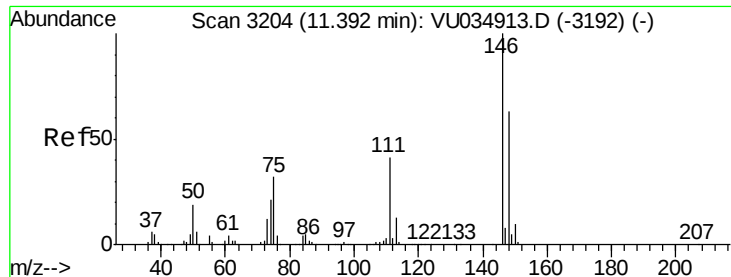
Tgt Ion: 75 Resp: 18734
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5



#61
 Bromoform
 Concen: 4.134 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU034911.D
 Acq: 03 Oct 2019 11:36

Tgt Ion: 173 Resp: 8968
 Ion Ratio Lower Upper
 173 100
 175 45.4 38.6 57.8
 254 6.0 6.9 10.3#





#62

1,3-Dichlorobenzene

Concen: 4.584 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.01 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

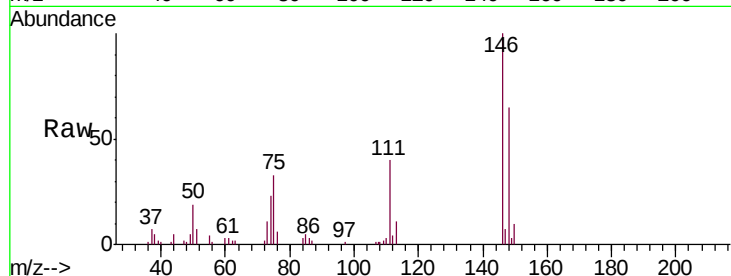
Tgt Ion:146 Resp: 25057

Ion Ratio Lower Upper

146 100

111 40.2 28.8 53.6

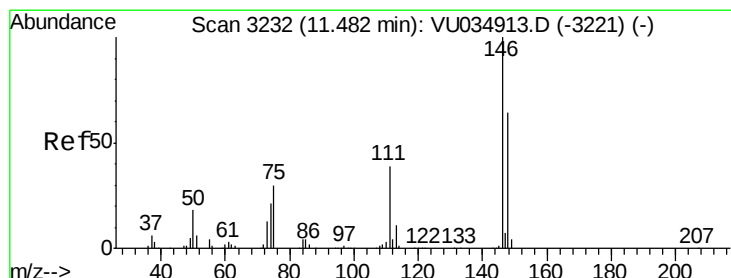
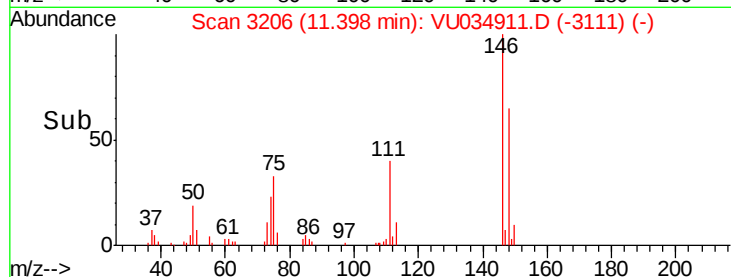
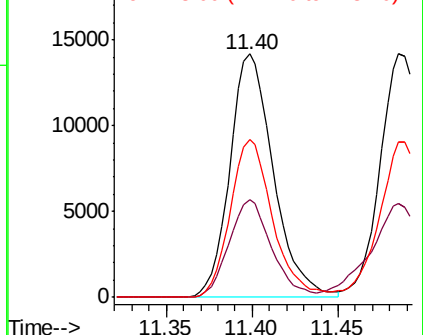
148 65.2 44.4 82.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.397 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

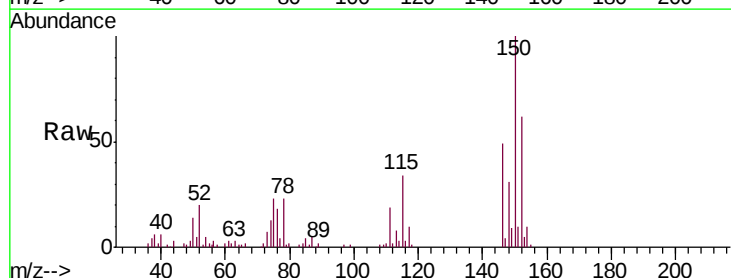
Tgt Ion:146 Resp: 24879

Ion Ratio Lower Upper

146 100

111 38.4 27.3 50.7

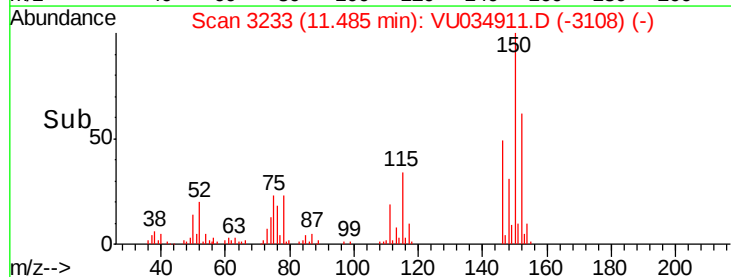
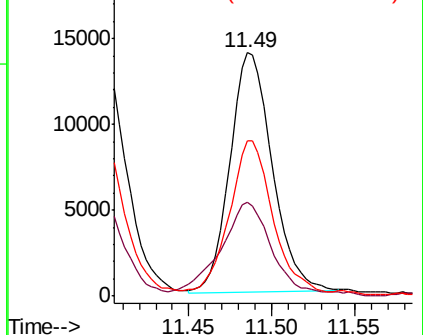
148 63.6 44.5 82.7

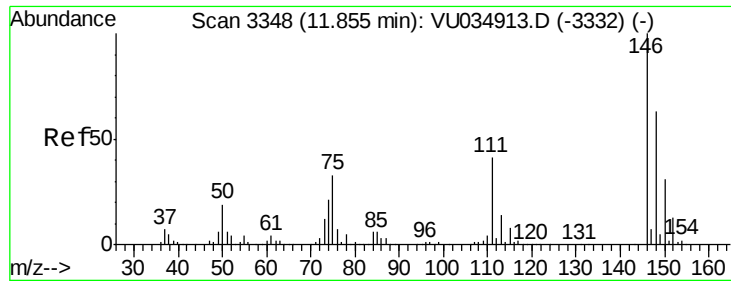


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.462 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

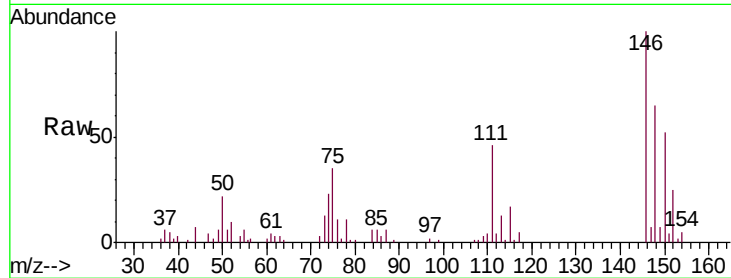
Tgt Ion: 146 Resp: 24892

Ion Ratio Lower Upper

146 100

111 46.1 33.0 49.4

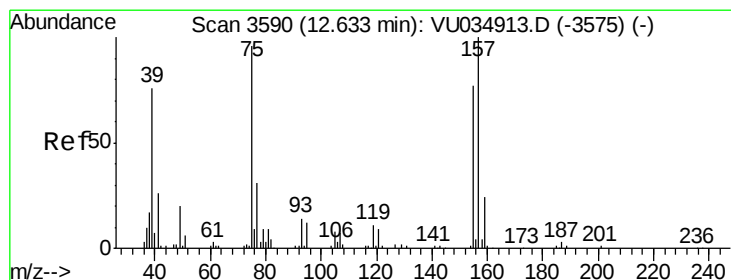
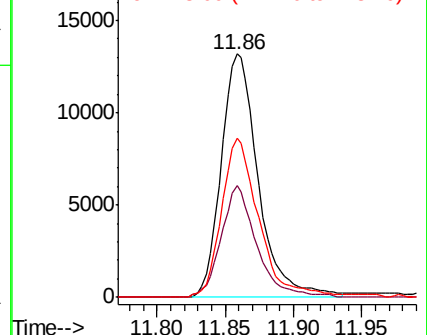
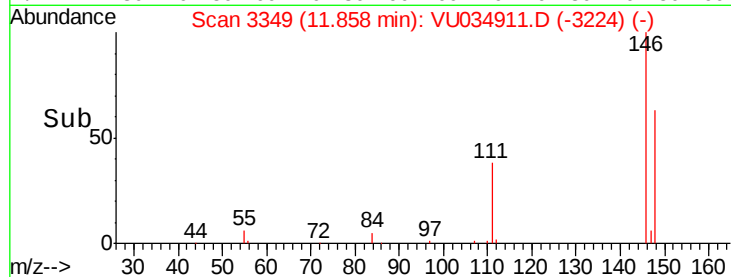
148 65.2 50.6 76.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 3.433 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. 0.01 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

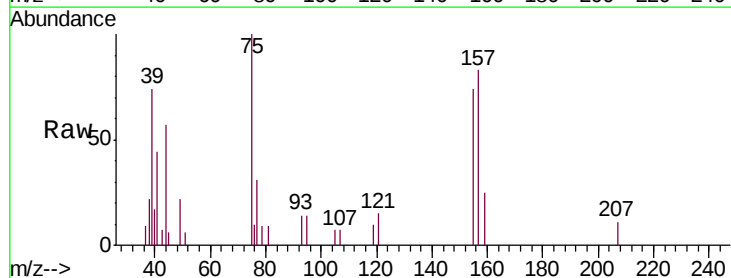
Tgt Ion: 75 Resp: 3640

Ion Ratio Lower Upper

75 100

155 74.0 64.2 96.2

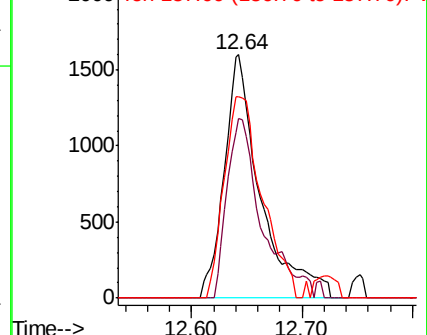
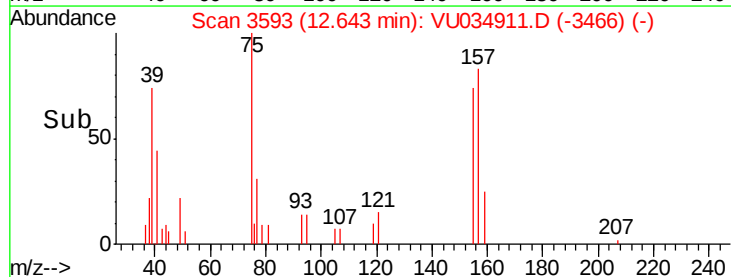
157 82.9 83.0 124.4#

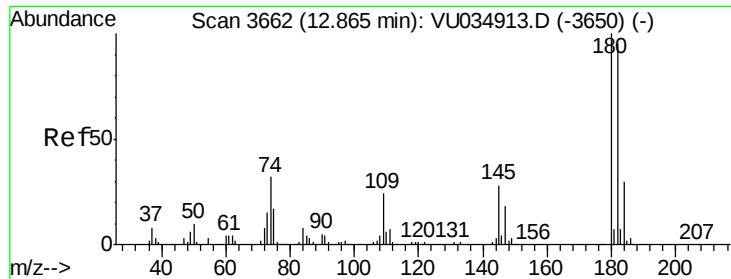


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

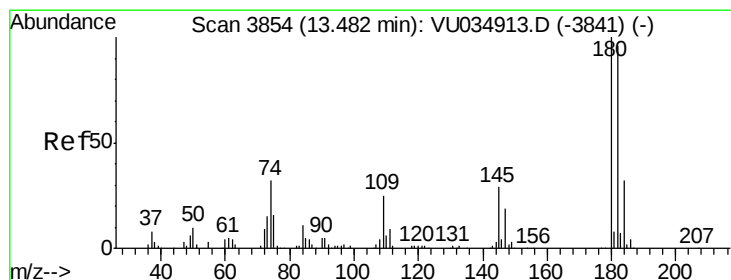
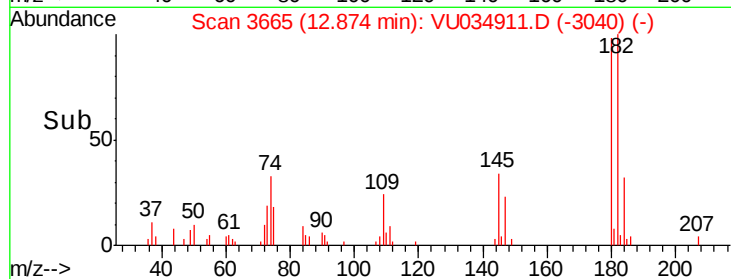
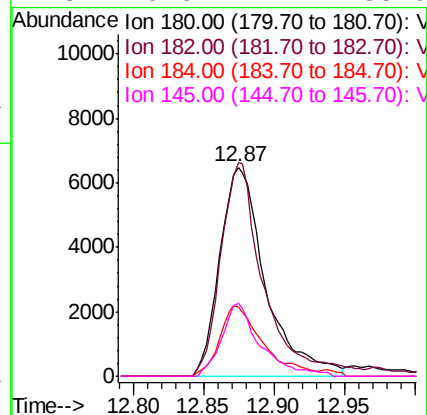
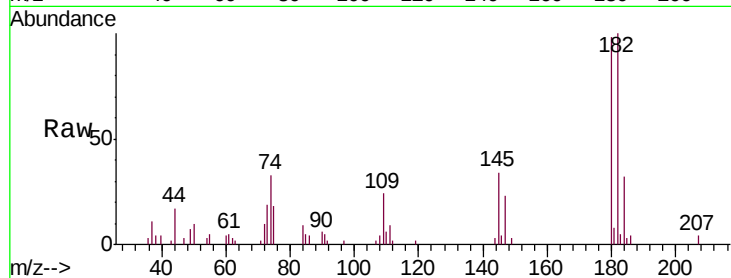




#67
 1,3,5-Trichlorobenzene
 Concen: 3.746 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.01 min
 Lab File: VU034911.D
 Acq: 03 Oct 2019 11:36

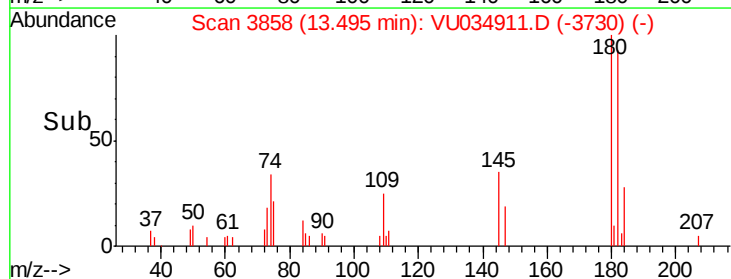
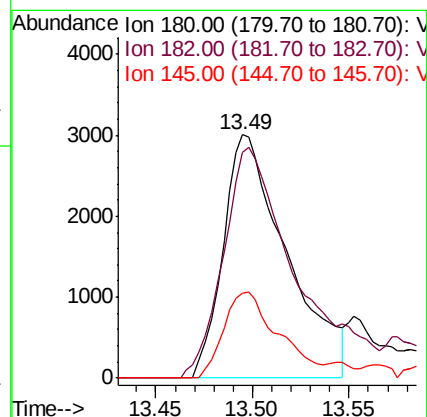
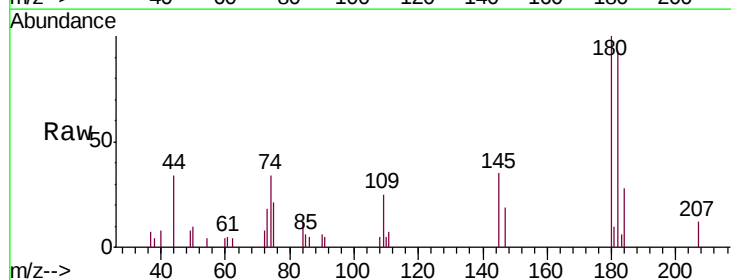
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

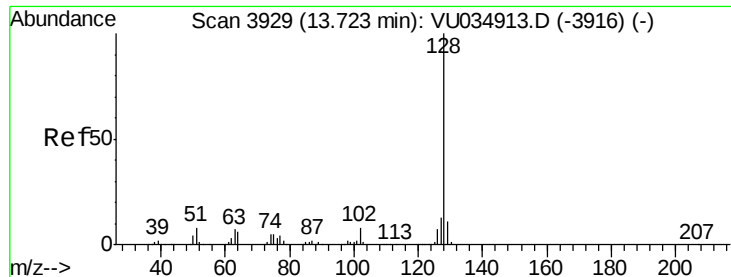
Tgt Ion:	180	Resp:	14618
Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.6	115.0
184	29.6	24.1	36.1
145	29.6	22.4	33.6



#68
 1,2,4-trichlorobenzene
 Concen: 2.062 ug/L
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU034911.D
 Acq: 03 Oct 2019 11:36

Tgt Ion:	180	Resp:	6872
Ion	Ratio	Lower	Upper
180	100		
182	98.3	76.5	114.7
145	30.5	22.6	33.8





#69

Naphthalene

Concen: 1.778 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.02 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

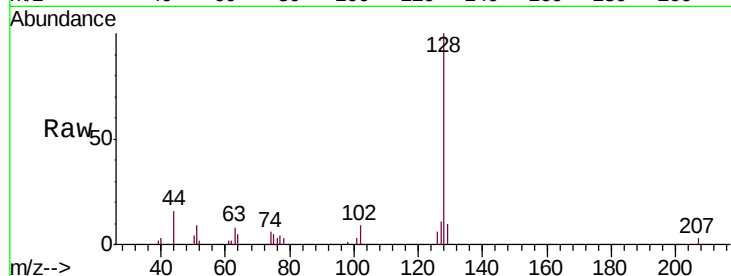
Tgt Ion:128 Resp: 18720

Ion Ratio Lower Upper

128 100

127 11.7 10.2 15.2

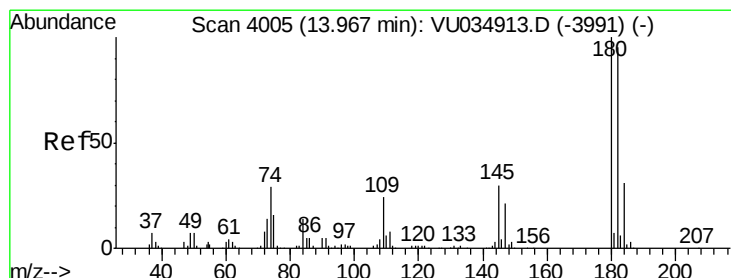
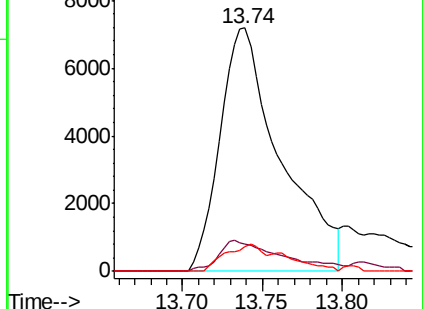
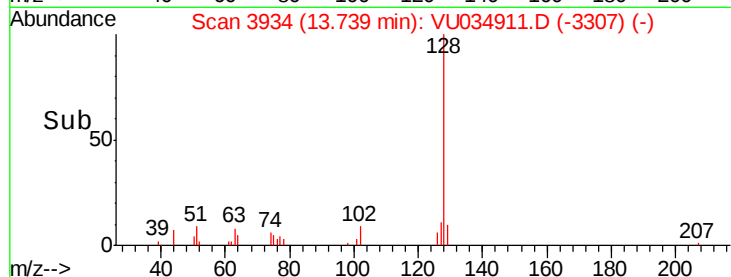
129 6.8 8.4 12.6#



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: 2.662 ug/L

RT: 13.98 min Scan# 4008

Delta R.T. 0.01 min

Lab File: VU034911.D

Acq: 03 Oct 2019 11:36

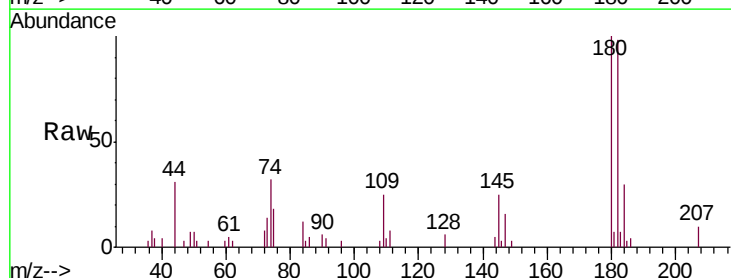
Tgt Ion:180 Resp: 9604

Ion Ratio Lower Upper

180 100

182 94.5 77.2 115.8

145 14.7 24.5 36.7#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

