

Data File : VU034912.D
Acq On : 03 Oct 2019 11:59
Operator : JC/SP
Sample : VSTD01034
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01034

Quant Time: Oct 04 05:10:33 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	417216	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	403398	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	172748	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	32808	10.22	ug/L	0.00
7) Chloroethane-d5	1.67	69	25991	9.71	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	59171	10.36	ug/L	0.00
21) 2-Butanone-d5	4.16	46	45758	21.56	ug/L	0.00
24) Chloroform-d	4.63	84	54505	10.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	36335	10.42	ug/L	0.00
32) Benzene-d6	5.32	84	110974	10.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	36670	11.01	ug/L	0.00
41) Toluene-d8	7.54	98	102720	10.58	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	14355	8.93	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	31375	20.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	50527	10.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	35502	11.09	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	36339	8.916 ug/L	98
3) Chloromethane	1.32	50	41678	10.126 ug/L	100
5) Vinyl chloride	1.40	62	38592	8.399 ug/L	98
6) Bromomethane	1.62	94	22238	7.770 ug/L	100
8) Chloroethane	1.69	64	23437	8.535 ug/L	98
9) Trichlorofluoromethane	1.88	101	46848	7.926 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	26933	9.646 ug/L	97
12) 1,1-Dichloroethene	2.27	96	25275	9.239 ug/L	92
13) Acetone	2.31	43	46572	18.324 ug/L	99
14) Carbon disulfide	2.46	76	79482	9.332 ug/L	99
15) Methyl Acetate	2.60	43	35963	10.593 ug/L	98
16) Methylene chloride	2.68	84	32449	10.154 ug/L	97
17) trans-1,2-Dichloroethene	2.97	96	27377	9.489 ug/L	98
18) Methyl tert-butyl Ether	2.98	73	92725	10.261 ug/L	100
19) 1,1-Dichloroethane	3.42	63	56883	10.165 ug/L	99
20) cis-1,2-Dichloroethene	4.21	96	30976	9.523 ug/L	93
22) 2-Butanone	4.24	43	49805	17.473 ug/L	99
23) Bromochloromethane	4.53	128	15450	9.307 ug/L	93
25) Chloroform	4.65	83	56935	9.627 ug/L	99
27) 1,2-Dichloroethane	5.38	62	44389	9.654 ug/L	99
29) Cyclohexane	4.97	56	49962	10.925 ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	46015	9.664 ug/L	99
31) Carbon tetrachloride	5.11	117	38817	9.346 ug/L	98
33) Benzene	5.37	78	121569	10.084 ug/L	100
34) Trichloroethene	6.17	95	30637	9.770 ug/L	96
35) Methylcyclohexane	6.39	83	48081	9.964 ug/L	97
37) 1,2-Dichloropropane	6.41	63	34093	10.397 ug/L	99
38) Bromodichloromethane	6.74	83	41047	9.854 ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	48405	9.556 ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	101152	22.283 ug/L	98

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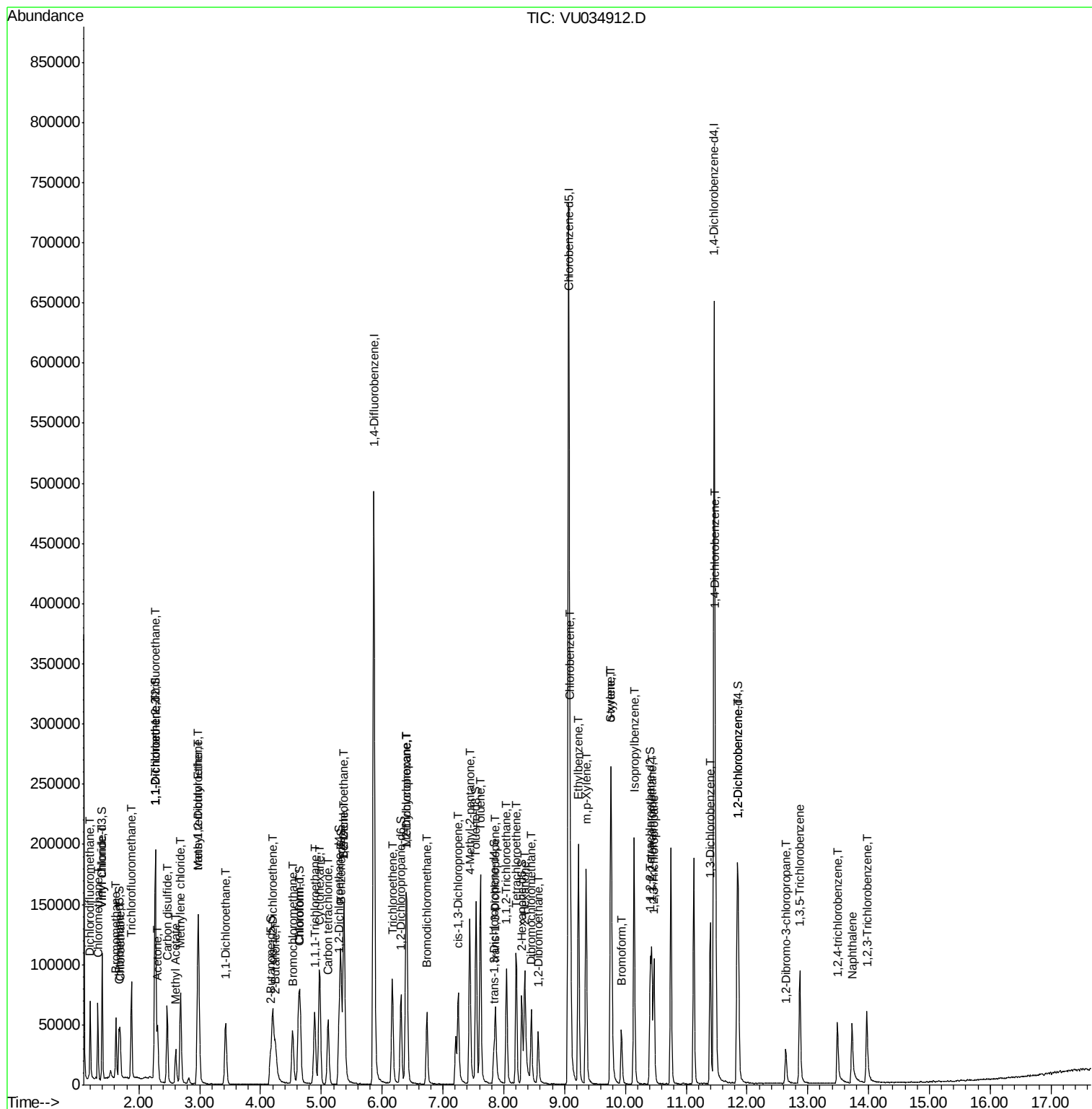
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	130402	10.085	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	41649	9.250	ug/L	97
45) 1,1,2-Trichloroethane	8.04	97	30584	9.998	ug/L	97
46) Tetrachloroethene	8.21	164	23852	9.825	ug/L	96
48) 2-Hexanone	8.35	43	72869	19.801	ug/L	99
49) Dibromochloromethane	8.45	129	30825	9.065	ug/L	98
50) 1,2-Dibromoethane	8.57	107	30610	9.193	ug/L	95
51) Chlorobenzene	9.10	112	83539	9.945	ug/L	98
52) Ethylbenzene	9.23	91	141842	10.216	ug/L	100
53) m,p-Xylene	9.35	106	51676	9.868	ug/L	94
54) o-xylene	9.76	106	50648	9.754	ug/L	97
55) Styrene	9.77	104	81302	9.270	ug/L	98
56) Isopropylbenzene	10.14	105	133139	9.934	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	53785	9.959	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	43488	10.212	ug/L	99
61) Bromoform	9.94	173	21493	9.978	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	56002	10.318	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	57839	10.295	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	58181	10.503	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	8860	8.417	ug/L	93
67) 1,3,5-Trichlorobenzene	12.87	180	34623	8.937	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	19527	5.901	ug/L	98
69) Naphthalene	13.73	128	54114	5.178	ug/L	97
70) 1,2,3-Trichlorobenzene	13.97	180	24209	6.758	ug/L	97

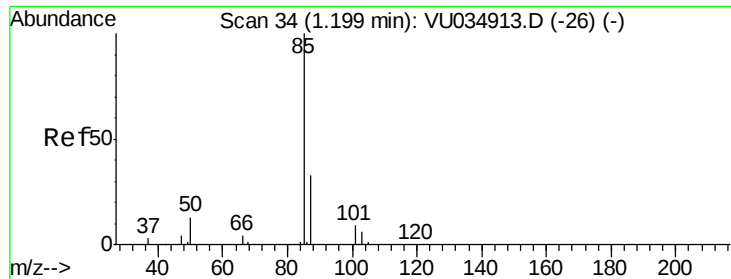
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 8.916 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

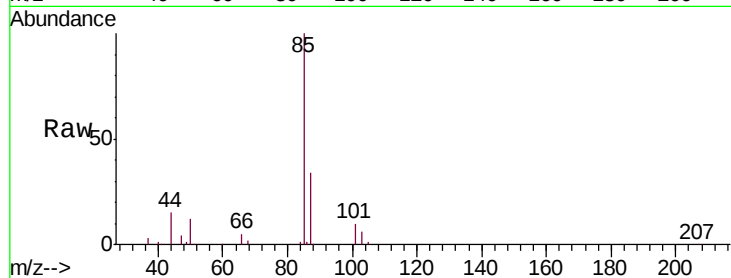
VSTD01034

Tgt Ion: 85 Resp: 36339

Ion Ratio Lower Upper

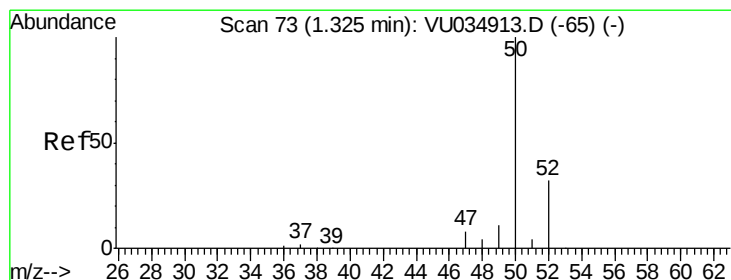
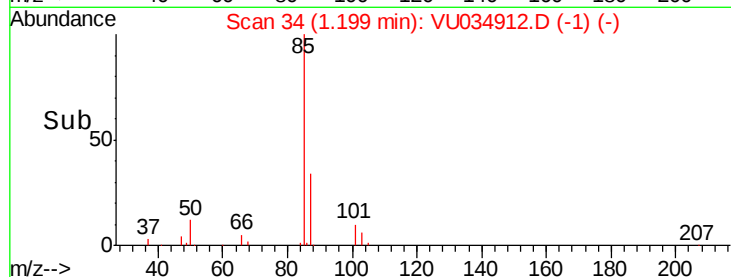
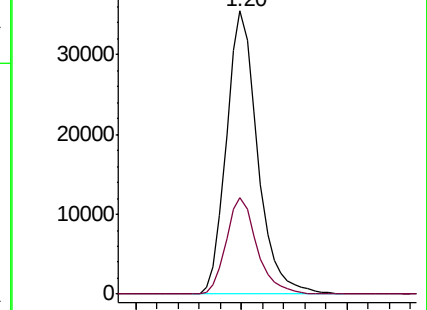
85 100

87 33.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU034912.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034912.D (-1) (-)



#3

Chloromethane

Concen: 10.126 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034912.D

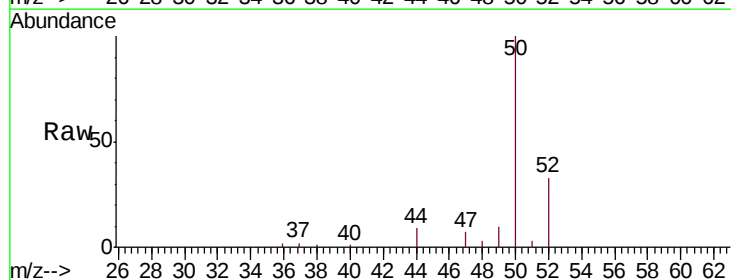
Acq: 03 Oct 2019 11:59

Tgt Ion: 50 Resp: 41678

Ion Ratio Lower Upper

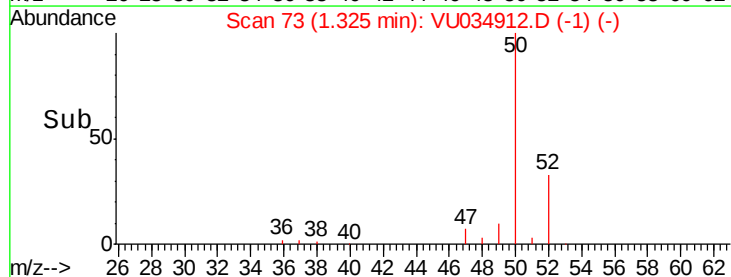
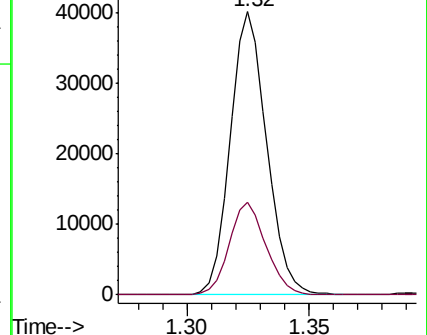
50 100

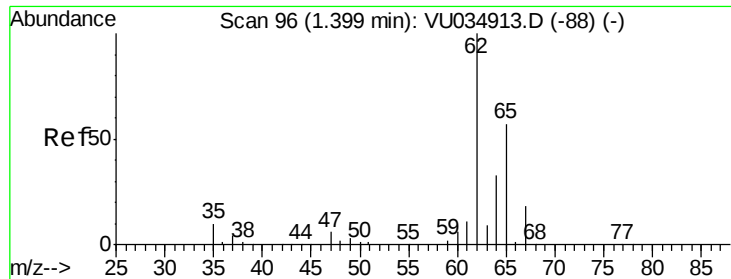
52 32.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VU034912.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU034912.D (-1) (-)





#5

Vinyl chloride

Concen: 8.399 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

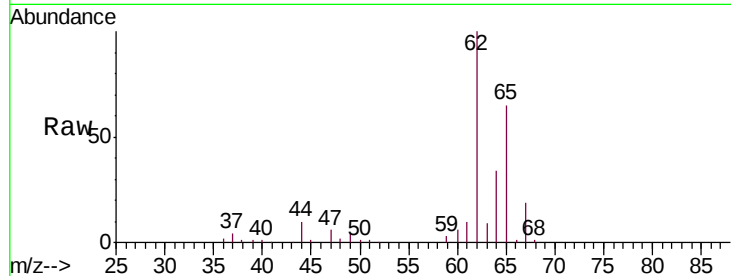
VSTD01034

Tgt Ion: 62 Resp: 38592

Ion Ratio Lower Upper

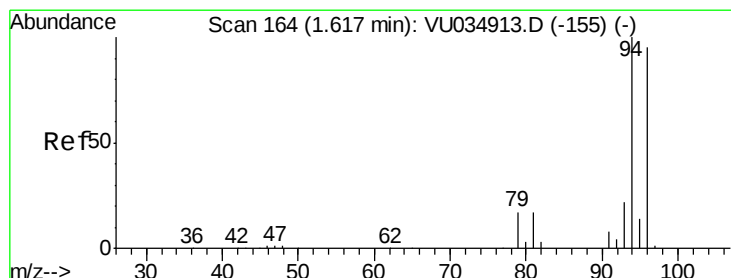
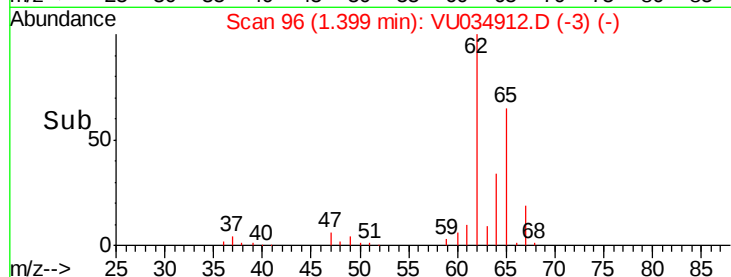
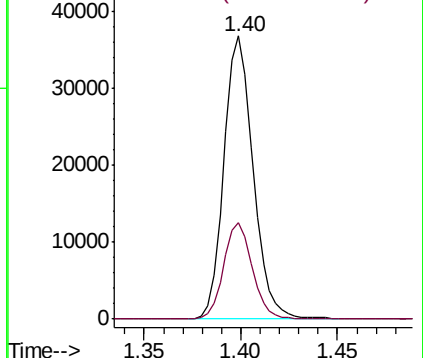
62 100

64 34.1 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 7.770 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU034912.D

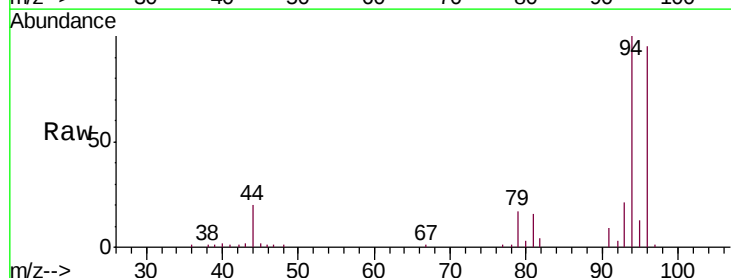
Acq: 03 Oct 2019 11:59

Tgt Ion: 94 Resp: 22238

Ion Ratio Lower Upper

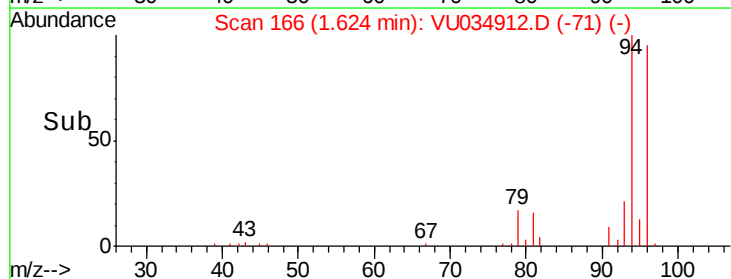
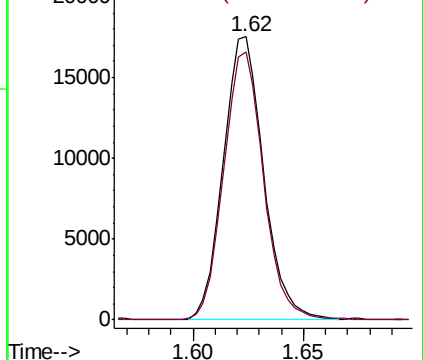
94 100

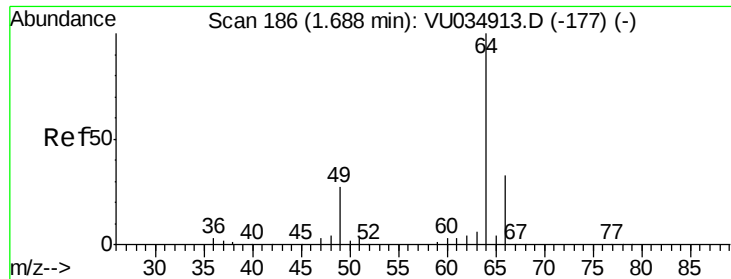
96 94.9 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 8.535 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

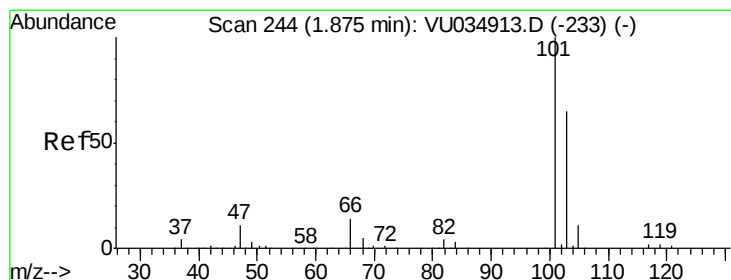
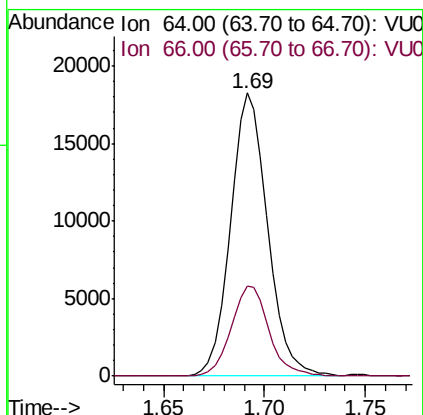
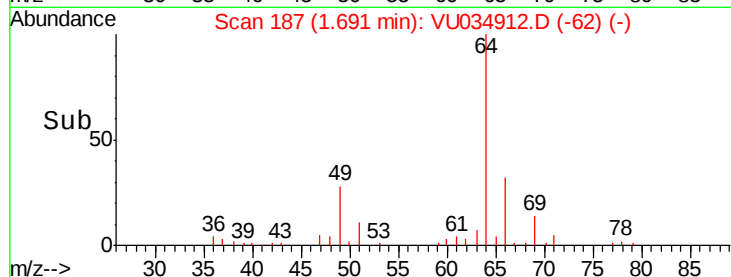
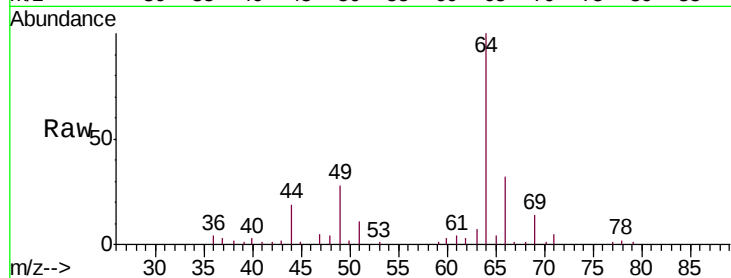
VSTD01034

Tgt Ion: 64 Resp: 23437

Ion Ratio Lower Upper

64 100

66 31.7 22.9 42.5



#9

Trichlorofluoromethane

Concen: 7.926 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU034912.D

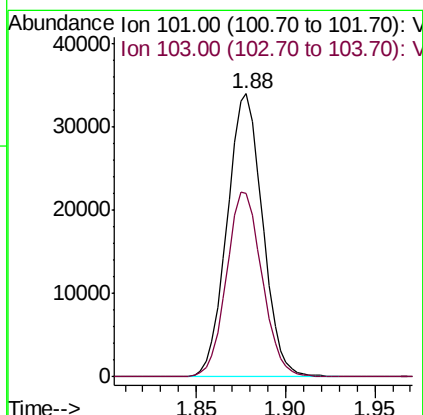
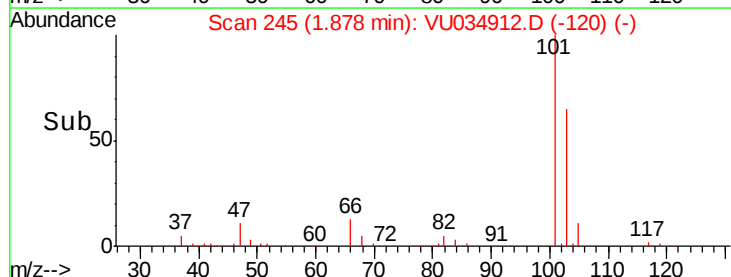
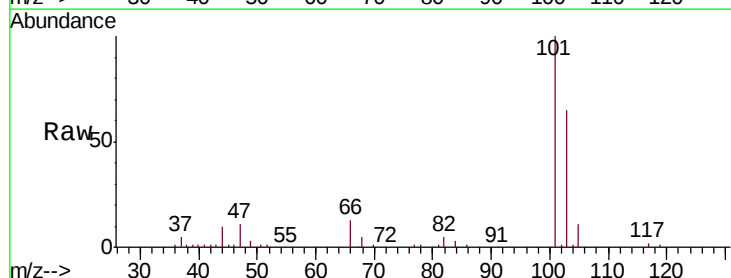
Acq: 03 Oct 2019 11:59

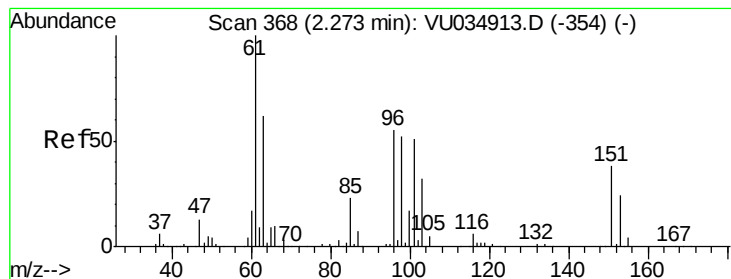
Tgt Ion: 101 Resp: 46848

Ion Ratio Lower Upper

101 100

103 65.4 51.8 77.6





#10

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

Concen: 9.646 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD01034

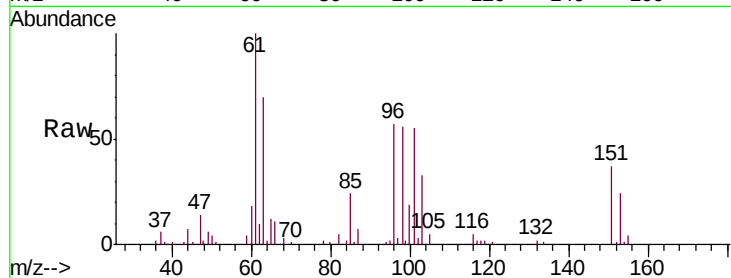
Tgt Ion: 101 Resp: 26933

Ion Ratio Lower Upper

101 100

85 45.2 35.9 53.9

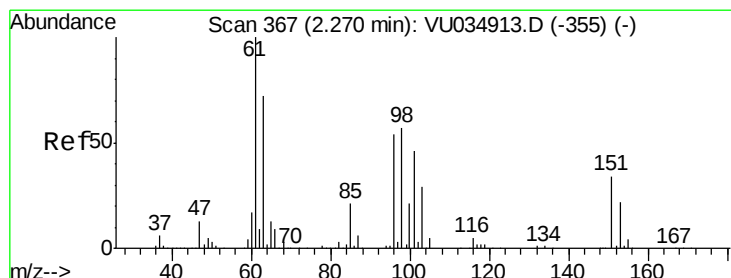
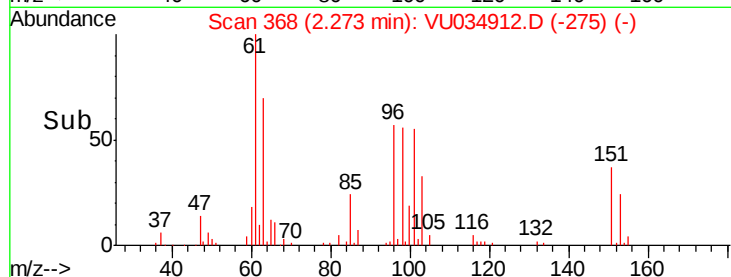
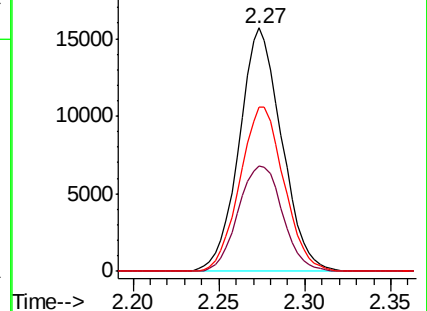
151 70.1 59.0 88.4



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: 9.239 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

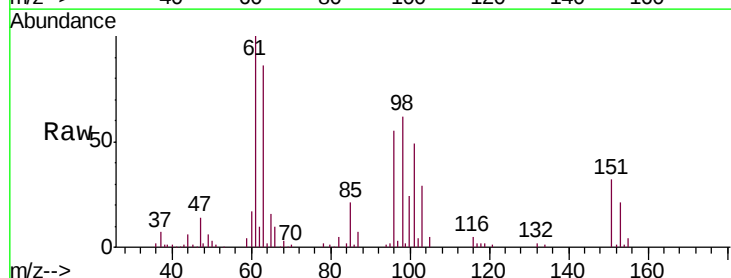
Tgt Ion: 96 Resp: 25275

Ion Ratio Lower Upper

96 100

61 182.0 131.2 243.6

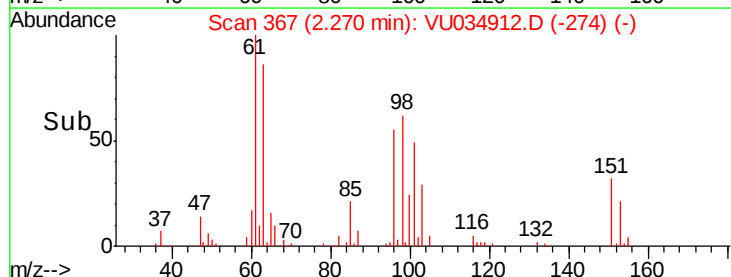
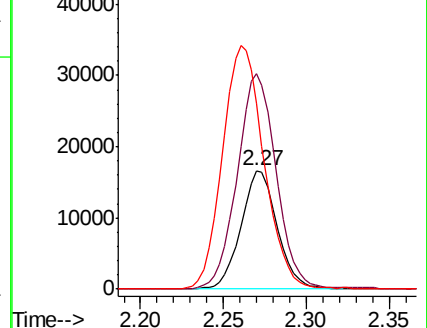
63 156.5 97.6 181.2

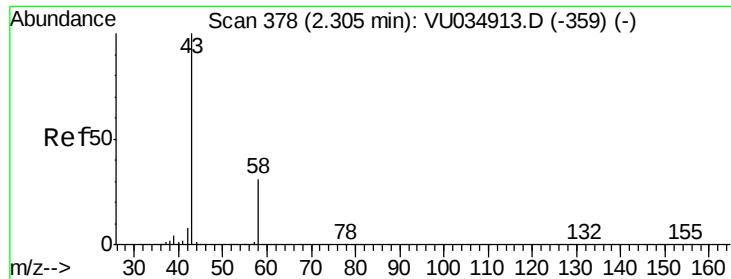


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 18.324 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

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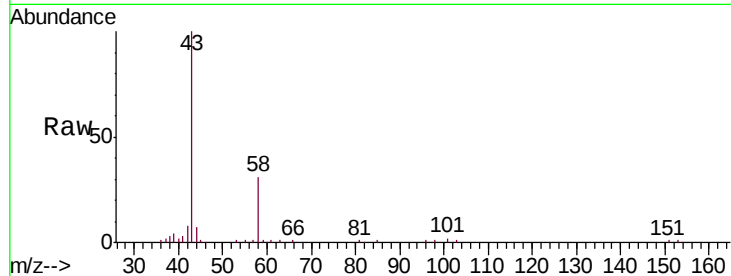
VSTD01034

Tgt Ion: 43 Resp: 46572

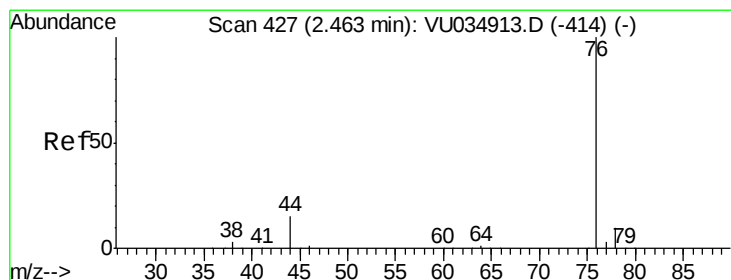
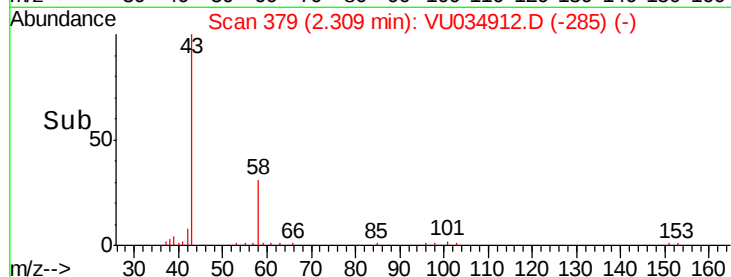
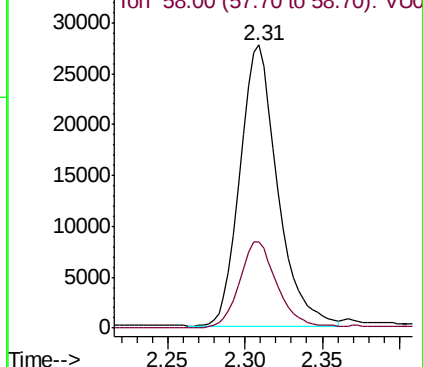
Ion Ratio Lower Upper

43 100

58 31.2 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VU034913.D (-359) (-)



#14

Carbon disulfide

Concen: 9.332 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034912.D

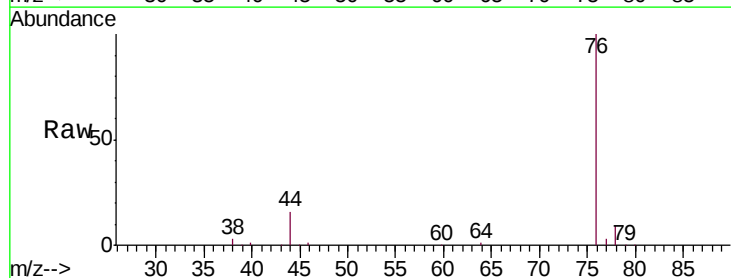
Acq: 03 Oct 2019 11:59

Tgt Ion: 76 Resp: 79482

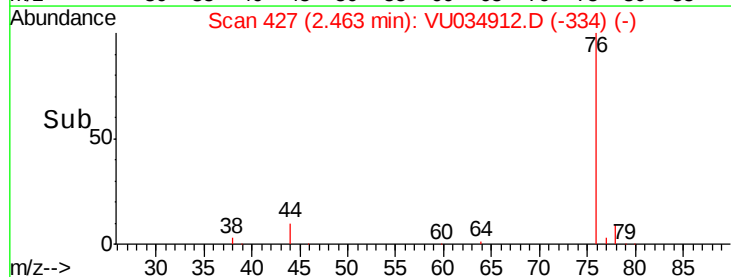
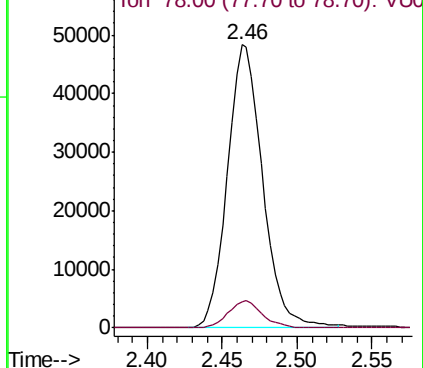
Ion Ratio Lower Upper

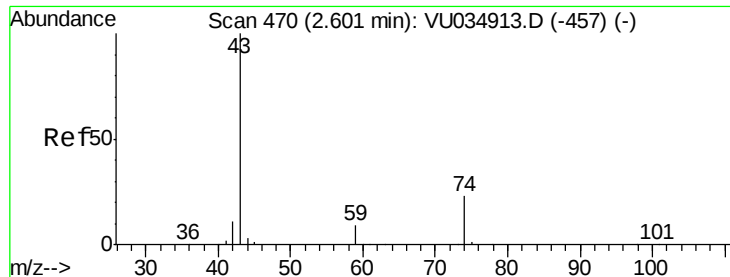
76 100

78 9.4 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VU034913.D (-414) (-)

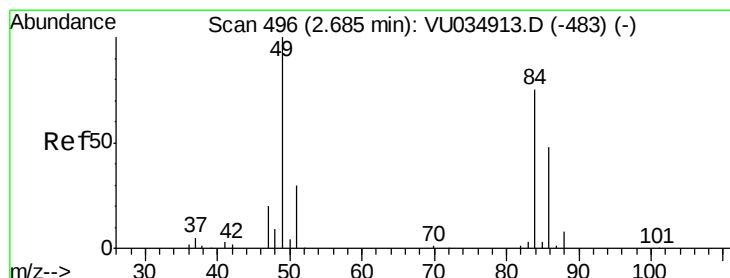
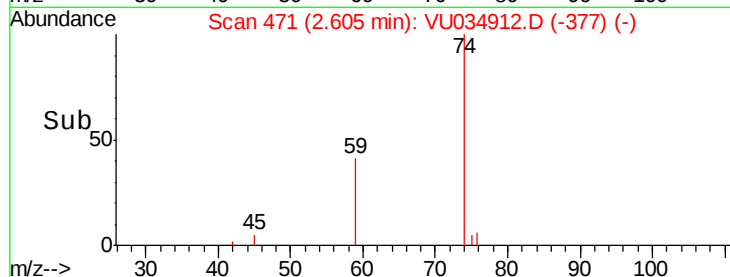
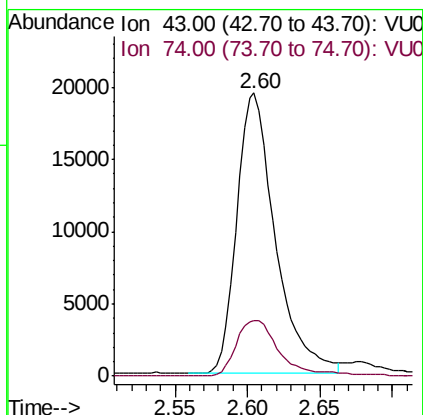
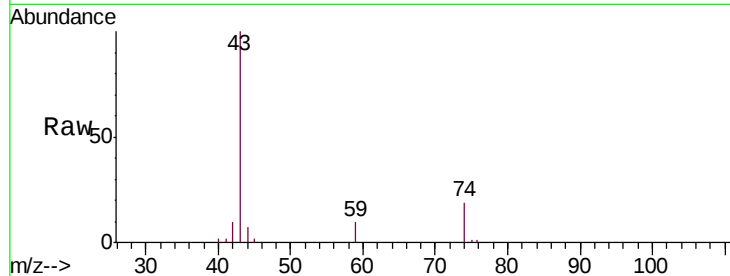




#15
Methyl Acetate
Concen: 10.593 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034912.D
Acq: 03 Oct 2019 11:59

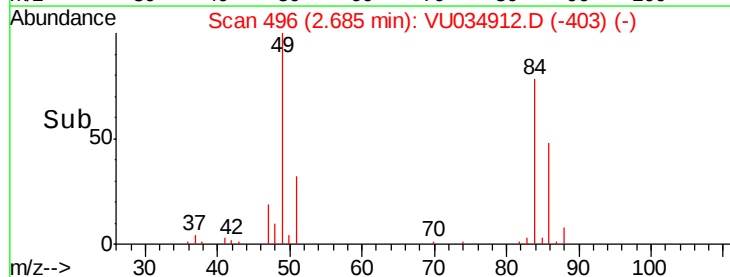
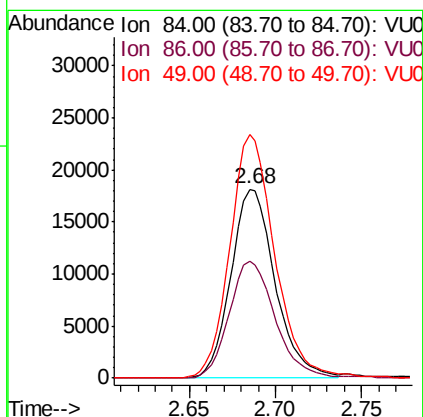
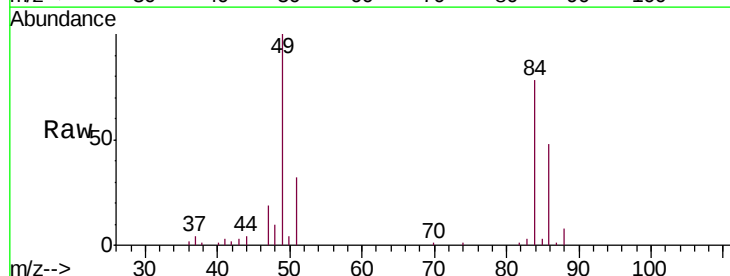
Instrument :
MSVOA_U
ClientSampleId :
VSTD01034

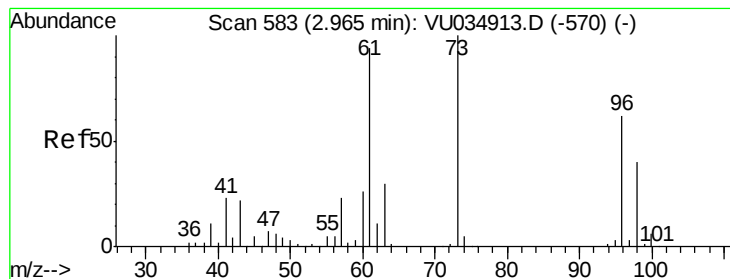
Tgt Ion: 43 Resp: 35963
Ion Ratio Lower Upper
43 100
74 21.2 17.8 26.6



#16
Methylene chloride
Concen: 10.154 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034912.D
Acq: 03 Oct 2019 11:59

Tgt Ion: 84 Resp: 32449
Ion Ratio Lower Upper
84 100
86 62.0 44.9 83.5
49 128.9 93.2 173.2





#17

trans-1,2-Dichloroethene

Concen: 9.489 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD01034

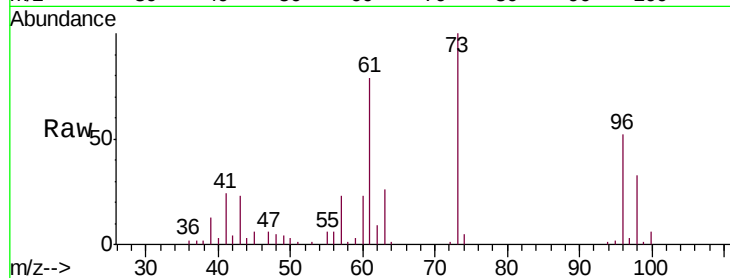
Tgt Ion: 96 Resp: 27377

Ion Ratio Lower Upper

96 100

61 150.1 107.0 198.6

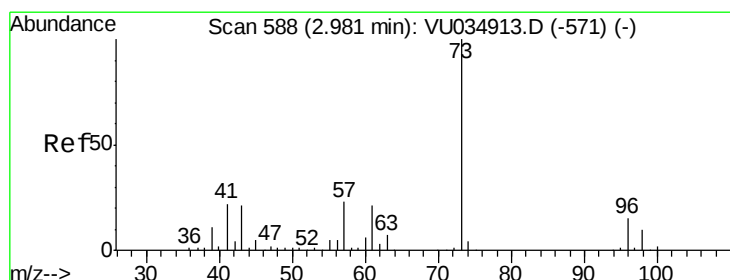
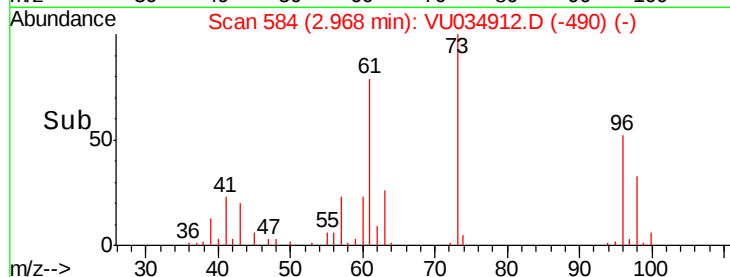
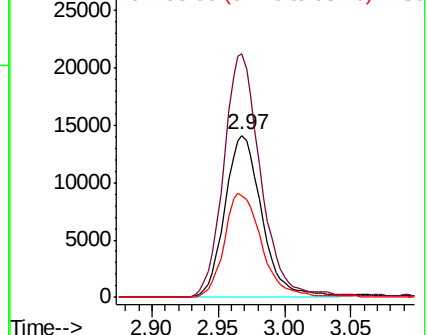
98 62.9 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VU034913.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU034913.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU034913.D (-570) (-)



#18

Methyl tert-butyl Ether

Concen: 10.261 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

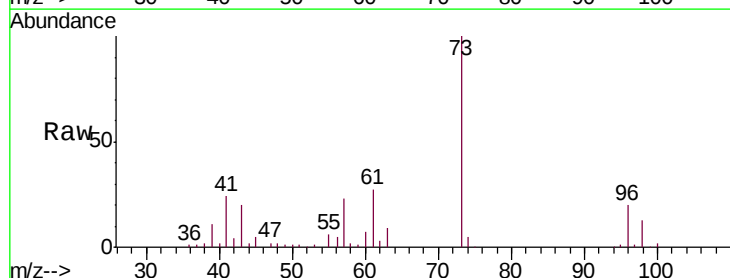
Tgt Ion: 73 Resp: 92725

Ion Ratio Lower Upper

73 100

43 21.1 16.8 25.2

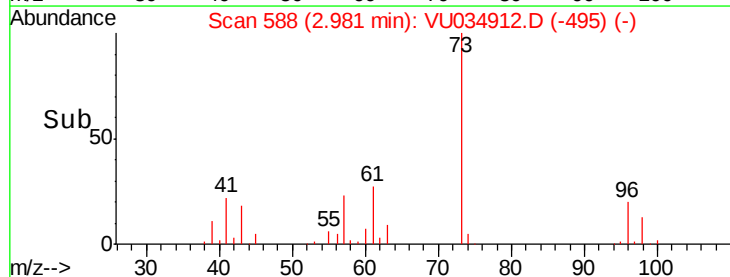
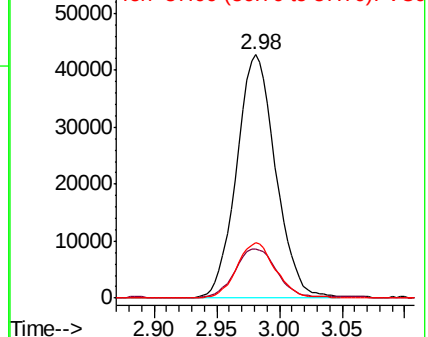
57 22.5 18.2 27.2

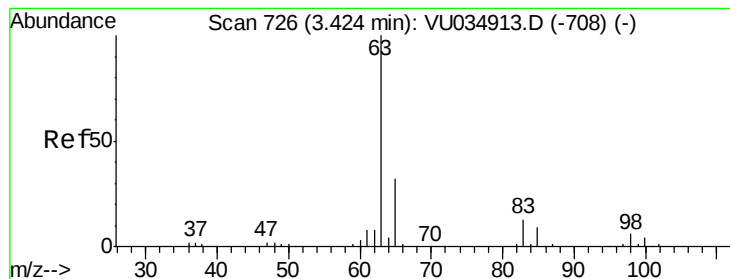


Abundance Ion 73.00 (72.70 to 73.70): VU034913.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU034913.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU034913.D (-571) (-)





#19

1,1-Dichloroethane

Concen: 10.165 ug/L

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD01034

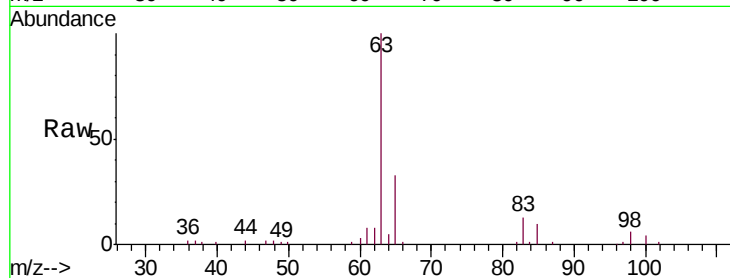
Tgt Ion: 63 Resp: 56883

Ion Ratio Lower Upper

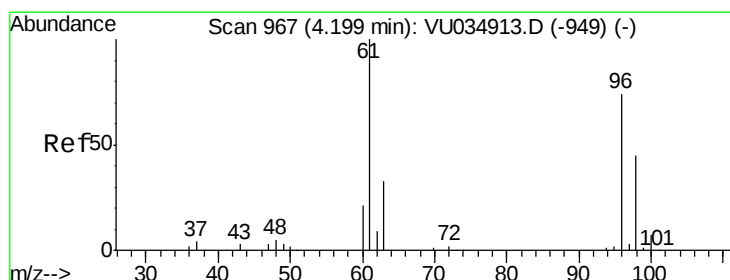
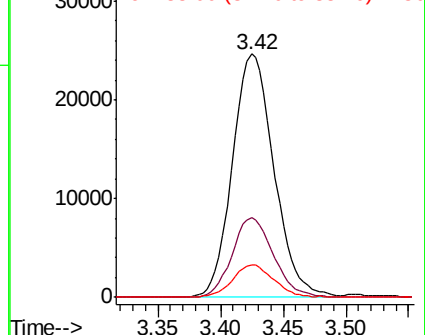
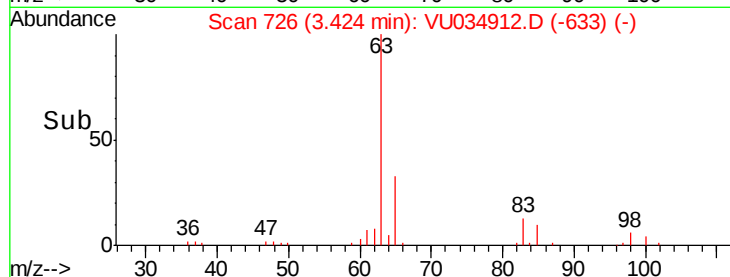
63 100

65 32.6 22.4 41.6

83 13.3 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU034912.D (-633) (-)



#20

cis-1,2-Dichloroethene

Concen: 9.523 ug/L

RT: 4.21 min Scan# 969

Delta R.T. 0.01 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

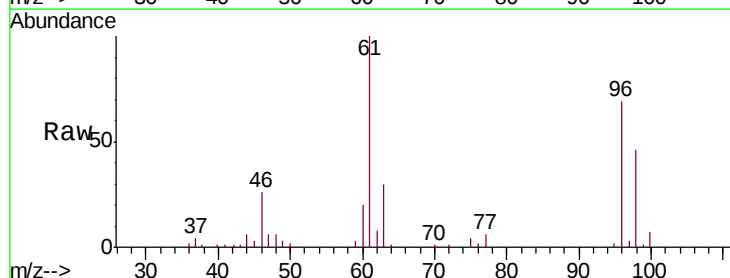
Tgt Ion: 96 Resp: 30976

Ion Ratio Lower Upper

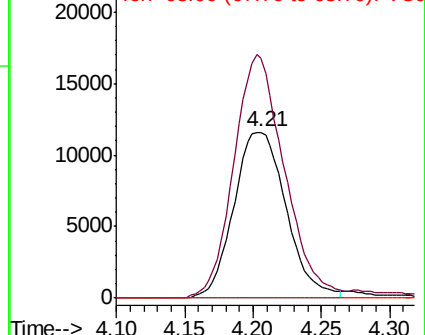
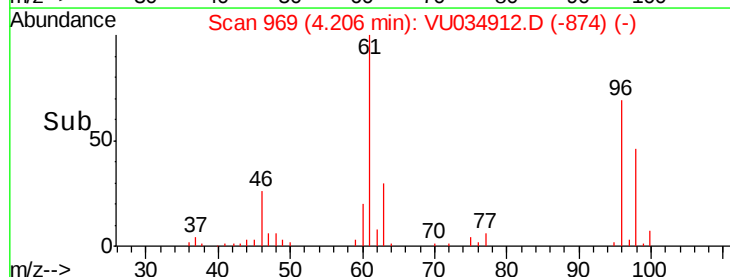
96 100

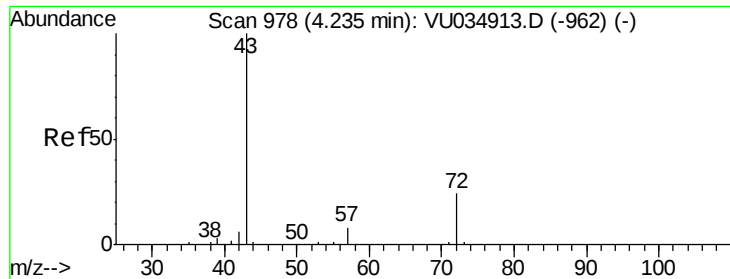
61 144.4 95.2 176.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034912.D (-874) (-)





#22

2-Butanone

Concen: 17.473 ug/L

RT: 4.24 min Scan# 981

Delta R.T. 0.01 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

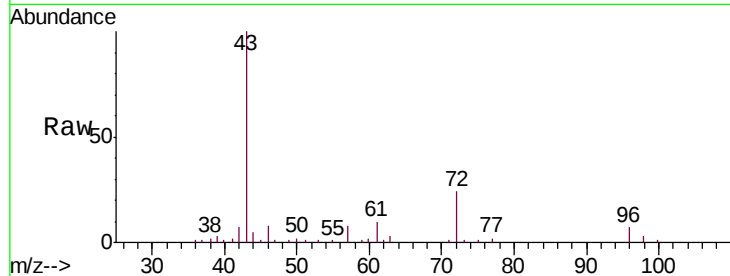
VSTD01034

Tgt Ion: 43 Resp: 49805

Ion Ratio Lower Upper

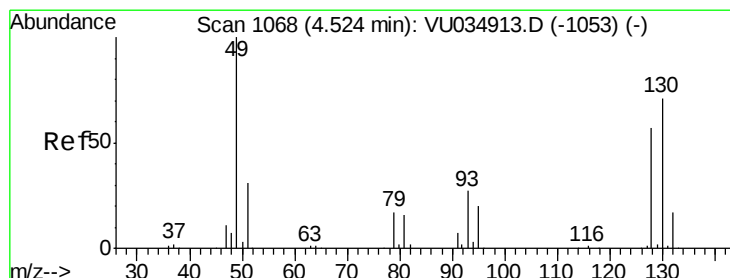
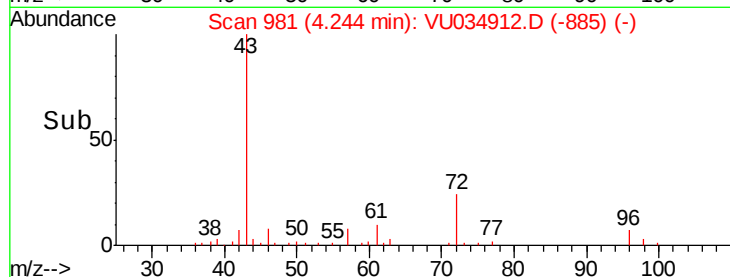
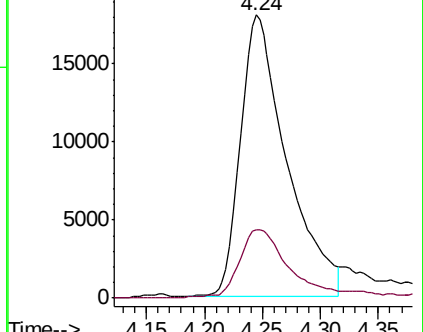
43 100

72 24.1 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU034912.D (-981) (-)

Ion 72.00 (71.70 to 72.70): VU034912.D (-981) (-)



#23

Bromochloromethane

Concen: 9.307 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Tgt Ion: 128 Resp: 15450

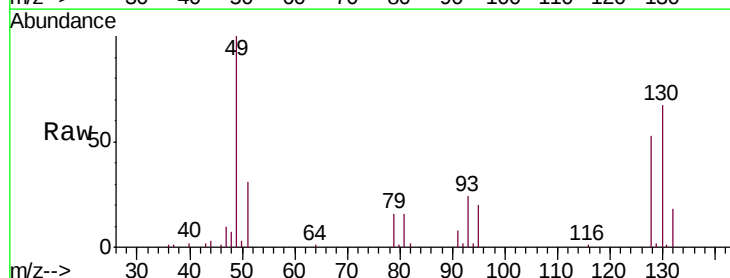
Ion Ratio Lower Upper

128 100

49 190.5 123.5 229.3

130 127.2 87.0 161.6

51 58.7 43.7 65.5

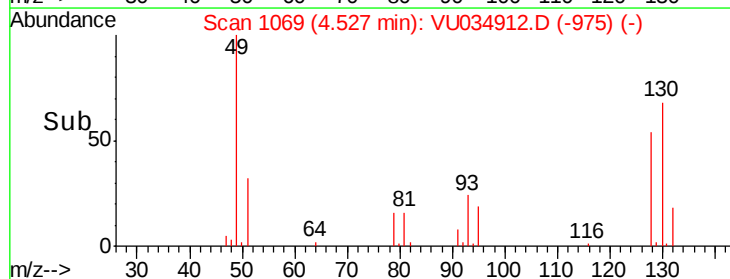
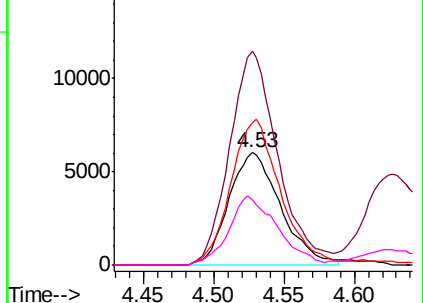


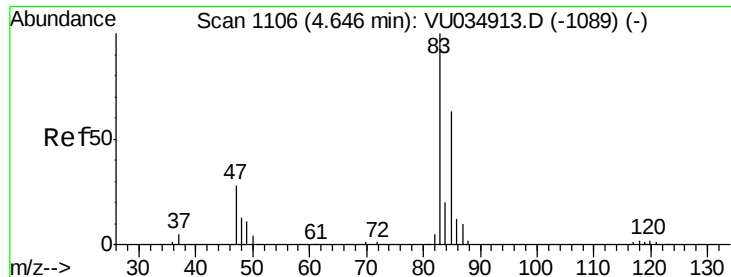
Abundance Ion 128.00 (127.70 to 128.70): VU034912.D (-1069) (-)

Ion 49.00 (48.70 to 49.70): VU034912.D (-1069) (-)

Ion 130.00 (129.70 to 130.70): VU034912.D (-1069) (-)

Ion 51.00 (50.70 to 51.70): VU034912.D (-1069) (-)

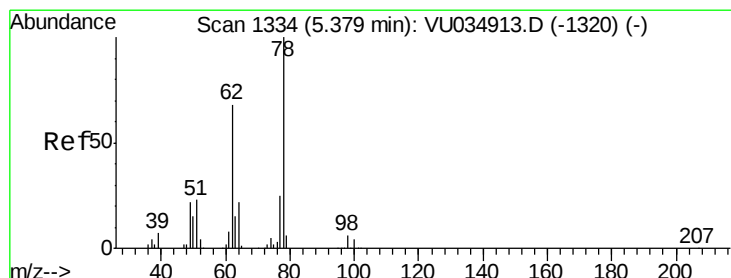
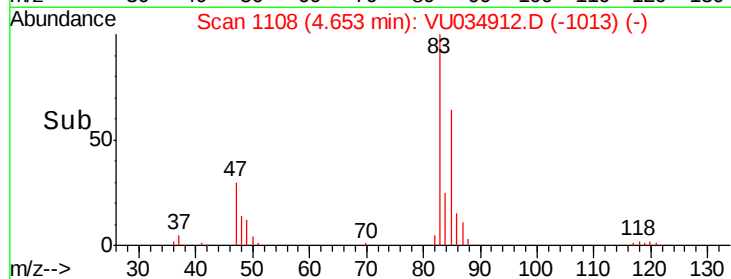
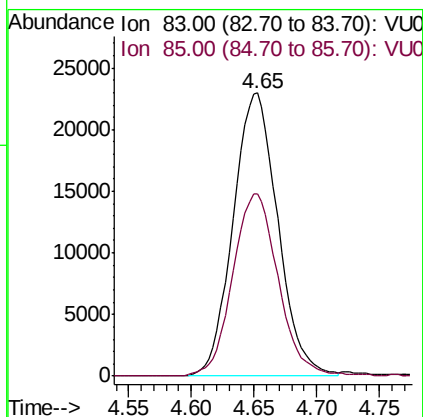
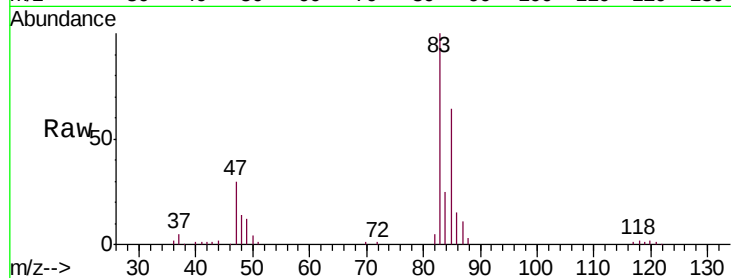




#25
Chloroform
Concen: 9.627 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU034912.D
Acq: 03 Oct 2019 11:59

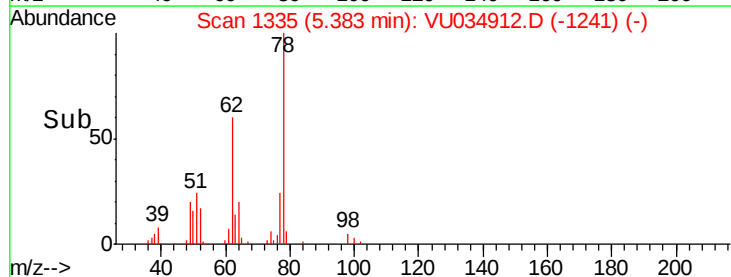
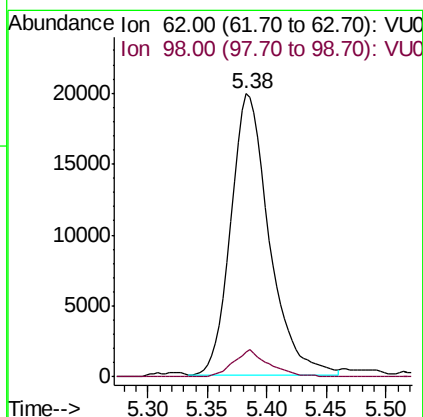
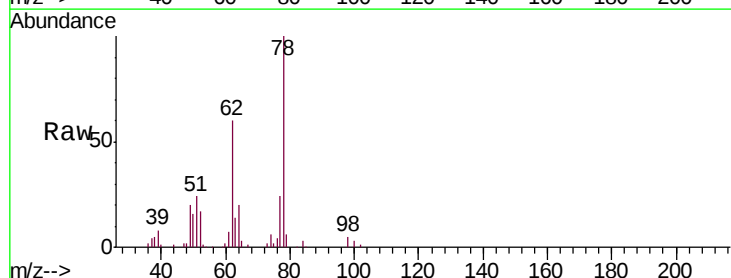
Instrument :
MSVOA_U
ClientSampleId :
VSTD01034

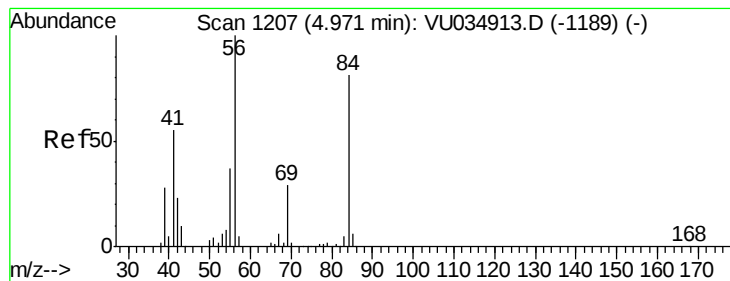
Tgt Ion: 83 Resp: 56935
Ion Ratio Lower Upper
83 100
85 64.3 44.2 82.2



#27
1,2-Dichloroethane
Concen: 9.654 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034912.D
Acq: 03 Oct 2019 11:59

Tgt Ion: 62 Resp: 44389
Ion Ratio Lower Upper
62 100
98 8.9 6.9 10.3





#29

Cyclohexane

Concen: 10.925 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampled :

VSTD01034

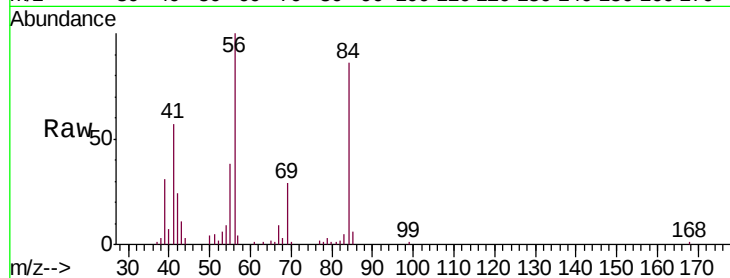
Tgt Ion: 56 Resp: 49962

Ion Ratio Lower Upper

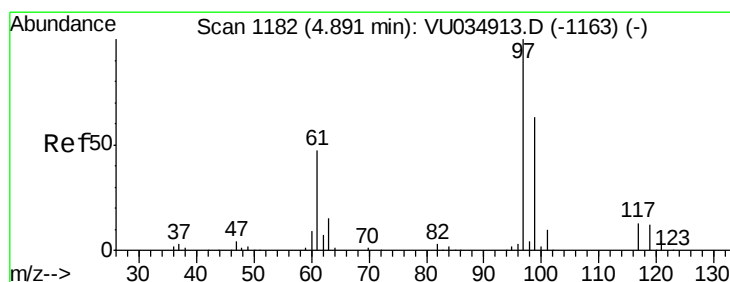
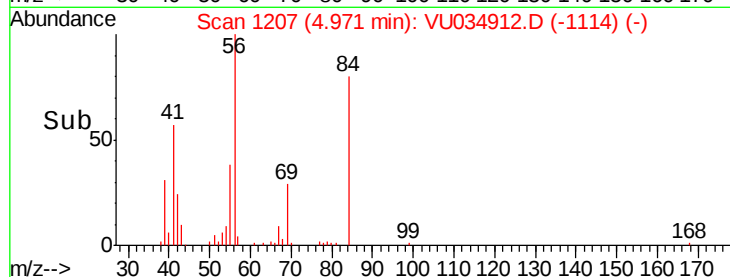
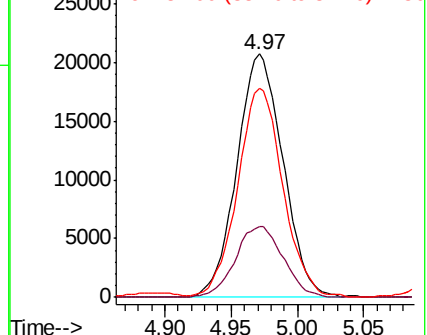
56 100

69 30.1 23.8 35.6

84 82.9 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: 9.664 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

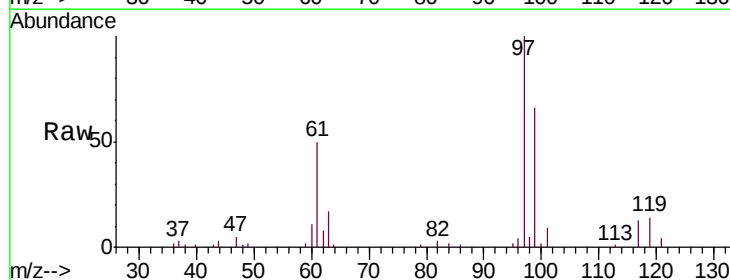
Tgt Ion: 97 Resp: 46015

Ion Ratio Lower Upper

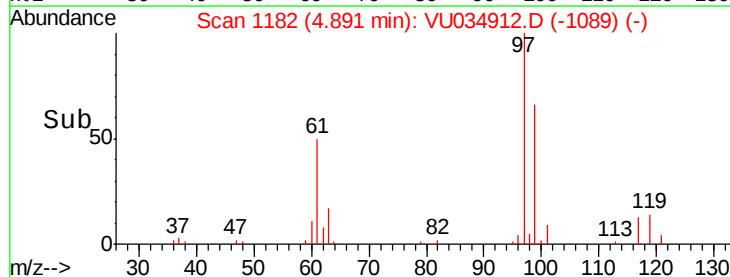
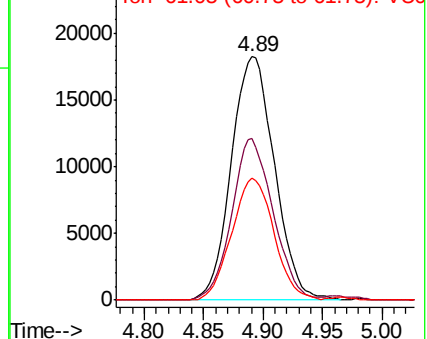
97 100

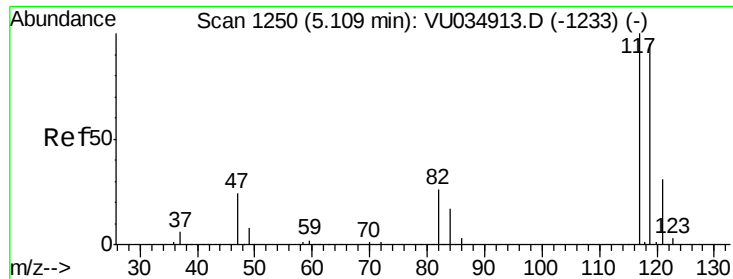
99 63.3 51.1 76.7

61 48.7 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: 9.346 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

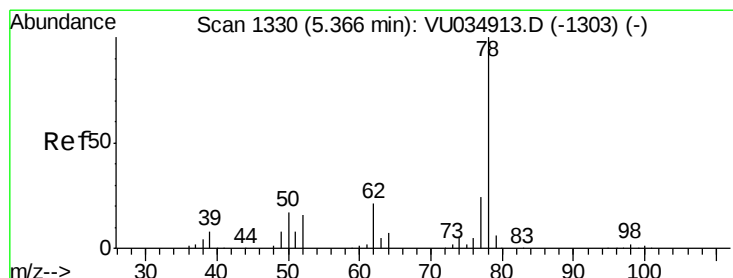
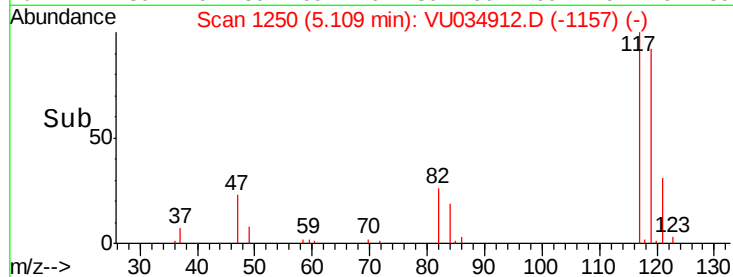
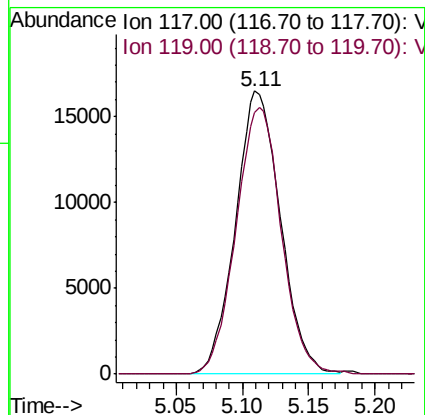
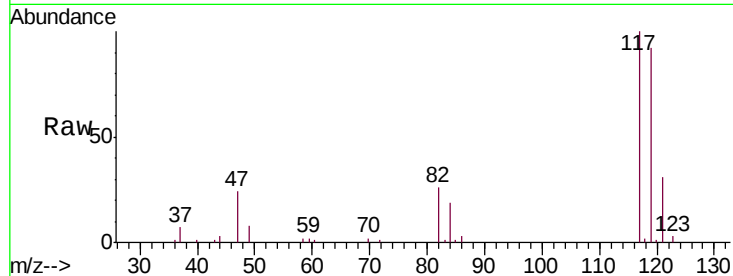
VSTD01034

Tgt Ion:117 Resp: 38817

Ion Ratio Lower Upper

117 100

119 94.7 77.5 116.3



#33

Benzene

Concen: 10.084 ug/L

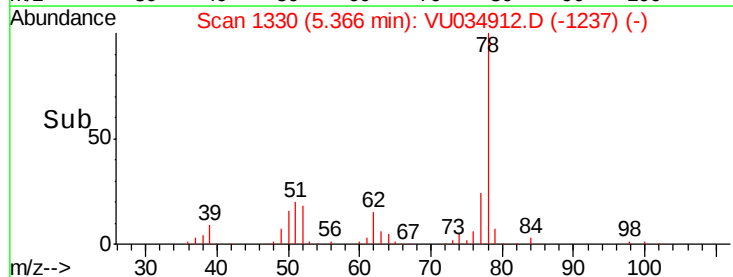
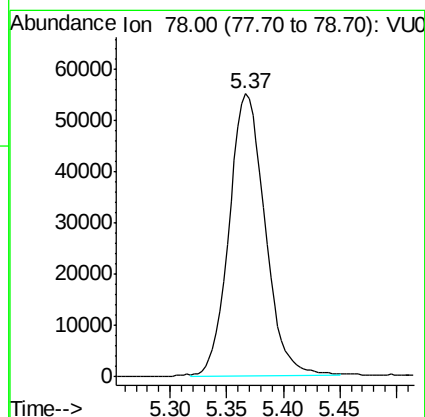
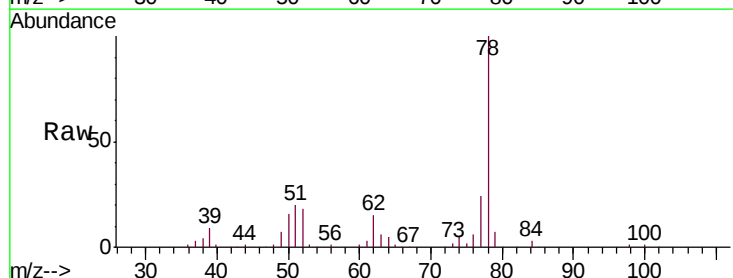
RT: 5.37 min Scan# 1330

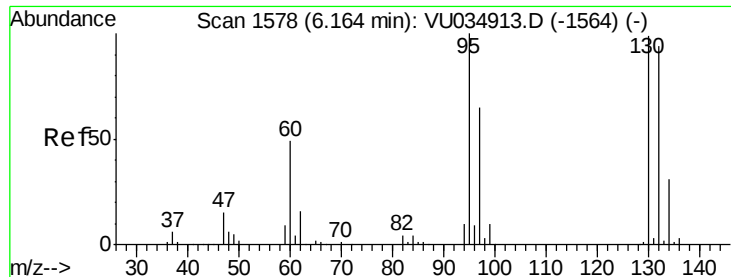
Delta R.T. -0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Tgt Ion: 78 Resp: 121569

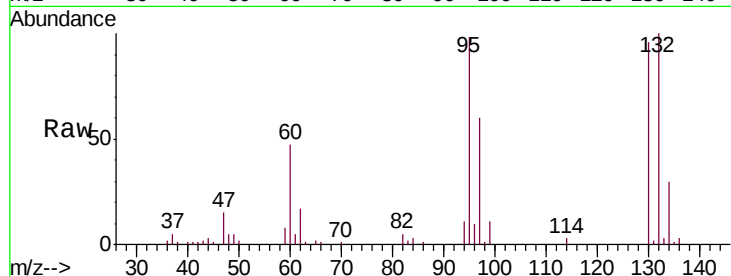




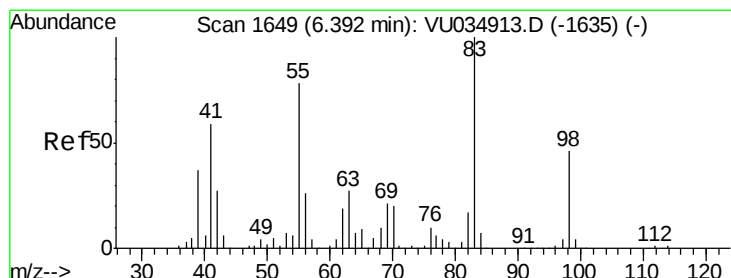
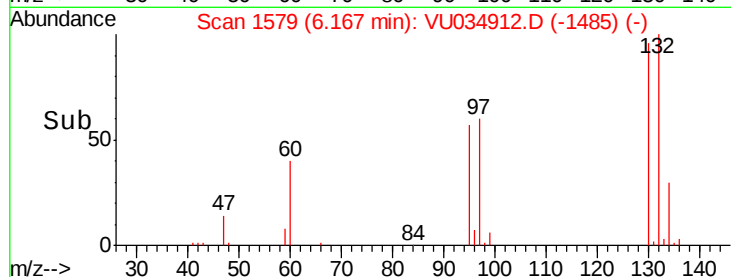
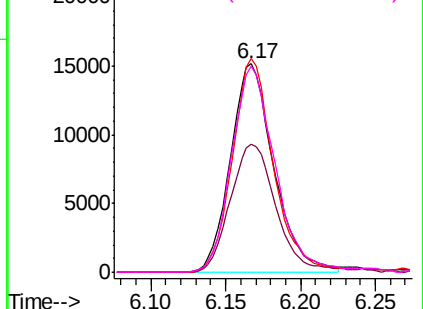
#34
 Trichloroethene
 Concen: 9.770 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU034912.D
 Acq: 03 Oct 2019 11:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

Tgt Ion: 95 Resp: 30637
 Ion Ratio Lower Upper
 95 100
 97 61.4 45.1 83.9
 132 102.6 65.9 122.5
 130 98.7 69.0 128.2

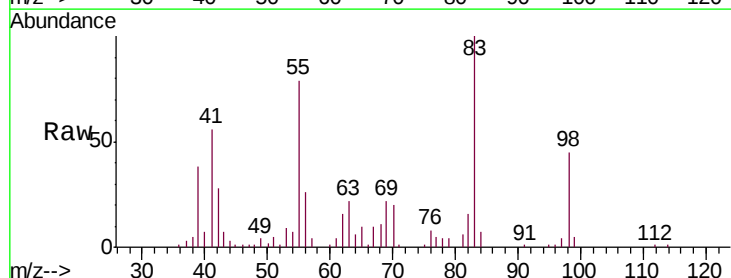


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

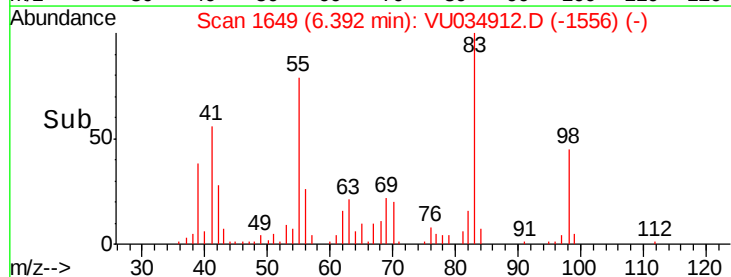
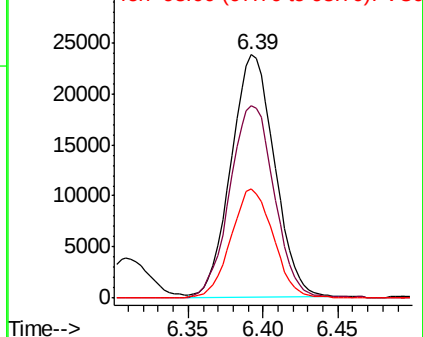


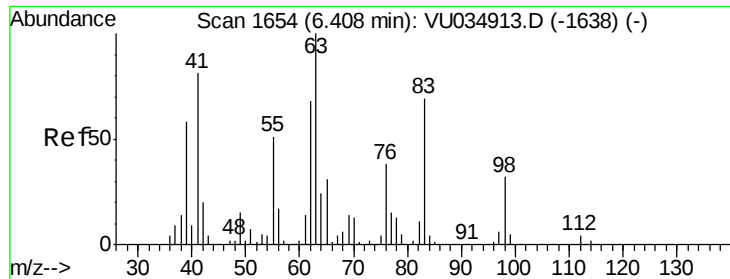
#35
 Methylcyclohexane
 Concen: 9.964 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU034912.D
 Acq: 03 Oct 2019 11:59

Tgt Ion: 83 Resp: 48081
 Ion Ratio Lower Upper
 83 100
 55 80.9 62.1 93.1
 98 44.1 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

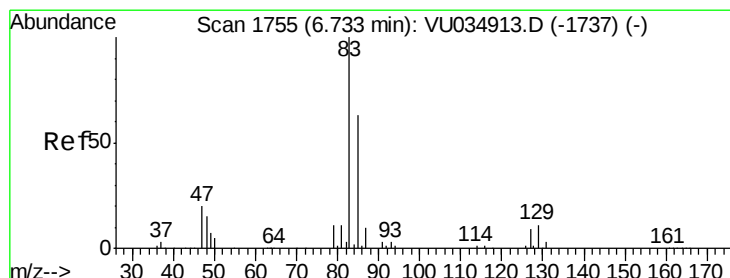
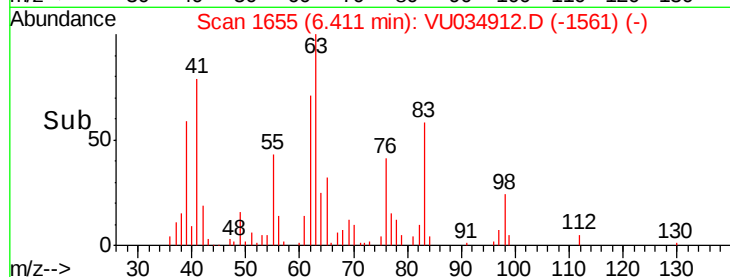
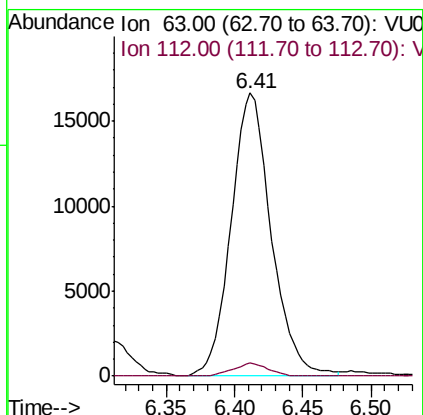
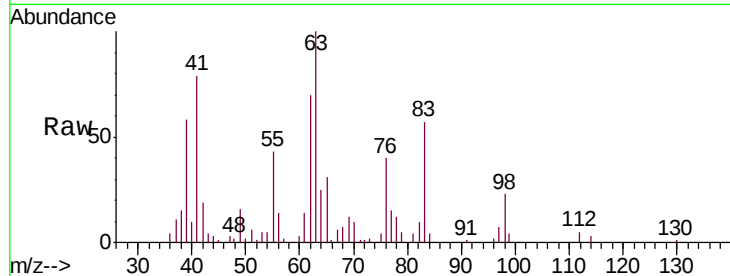




#37
 1,2-Dichloropropane
 Concen: 10.397 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034912.D
 Acq: 03 Oct 2019 11:59

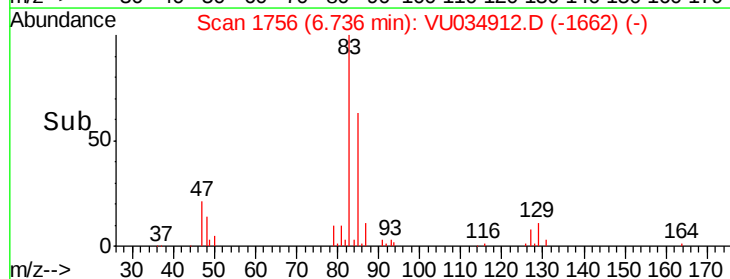
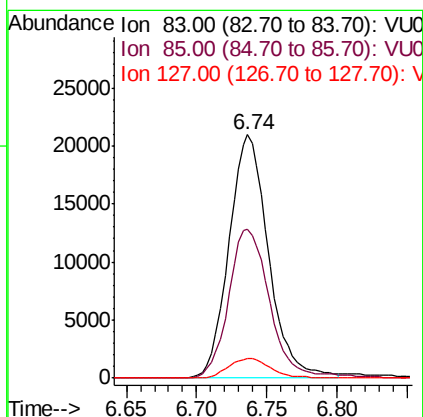
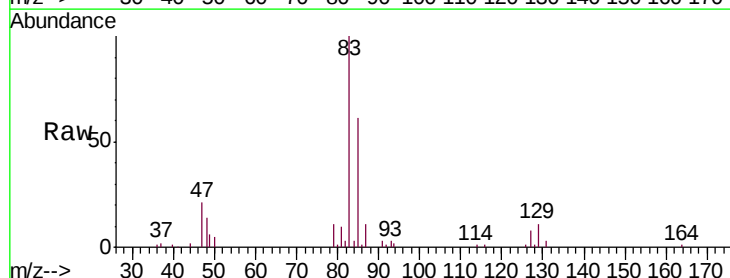
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

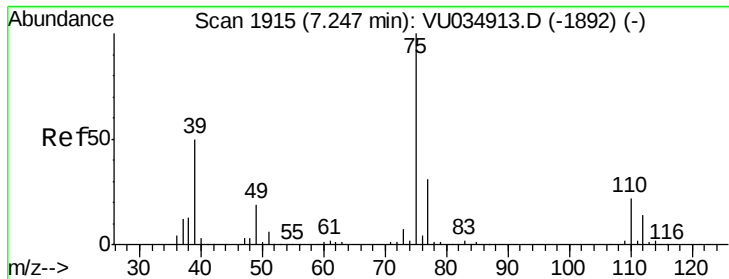
Tgt Ion: 63 Resp: 34093
 Ion Ratio Lower Upper
 63 100
 112 3.9 2.9 4.3



#38
 Bromodichloromethane
 Concen: 9.854 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034912.D
 Acq: 03 Oct 2019 11:59

Tgt Ion: 83 Resp: 41047
 Ion Ratio Lower Upper
 83 100
 85 61.1 44.3 82.3
 127 8.1 7.0 10.4

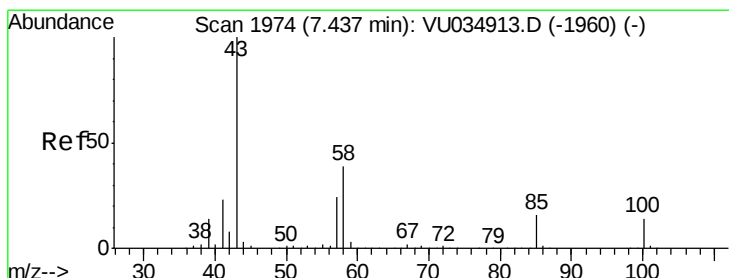
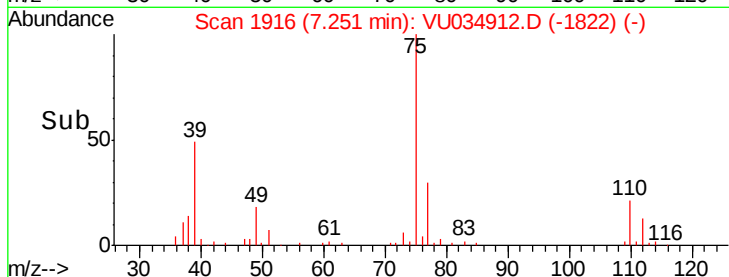
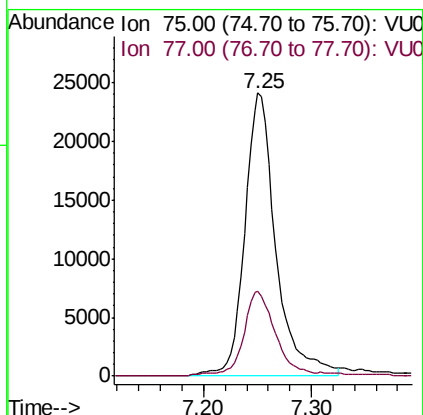
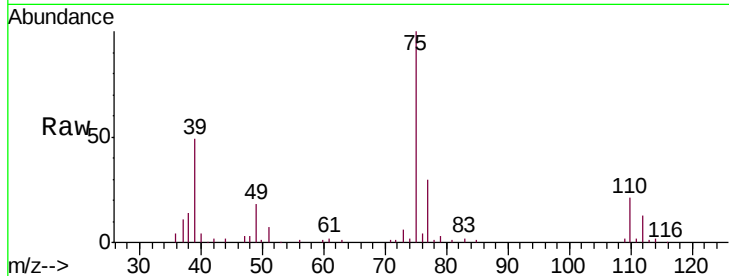




#39
 cis-1,3-Dichloropropene
 Concen: 9.556 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034912.D
 Acq: 03 Oct 2019 11:59

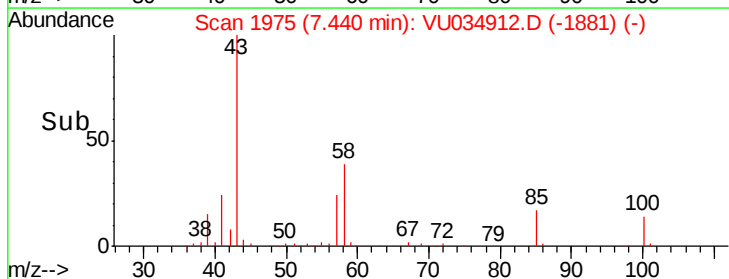
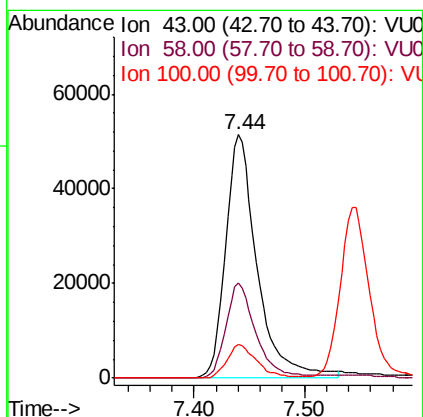
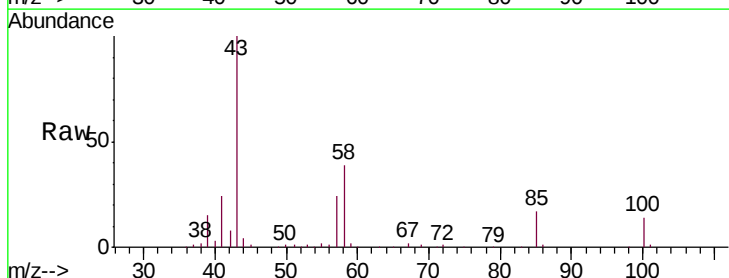
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

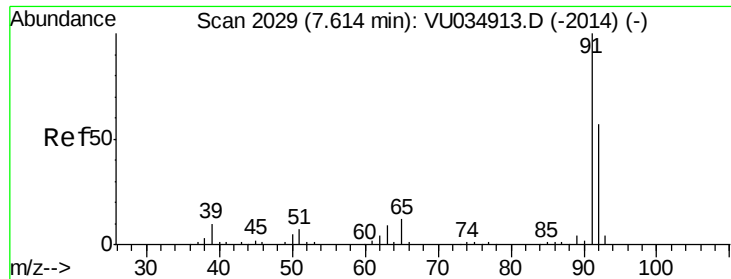
Tgt Ion: 75 Resp: 48405
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 22.283 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034912.D
 Acq: 03 Oct 2019 11:59

Tgt Ion: 43 Resp: 101152
 Ion Ratio Lower Upper
 43 100
 58 37.2 30.7 46.1
 100 13.3 10.9 16.3





#42

Toluene

Concen: 10.085 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

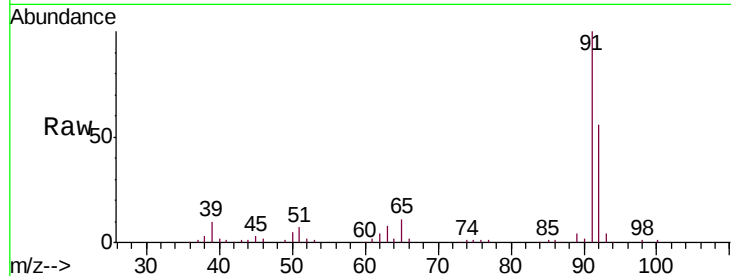
VSTD01034

Tgt Ion: 91 Resp: 130402

Ion Ratio Lower Upper

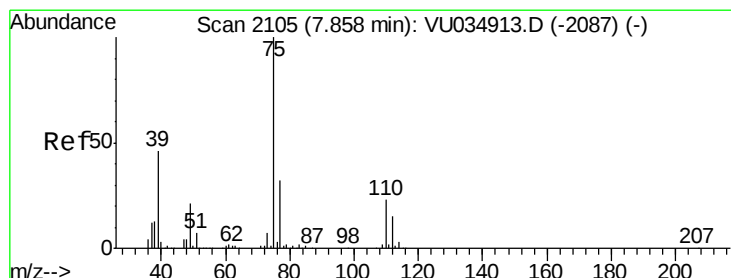
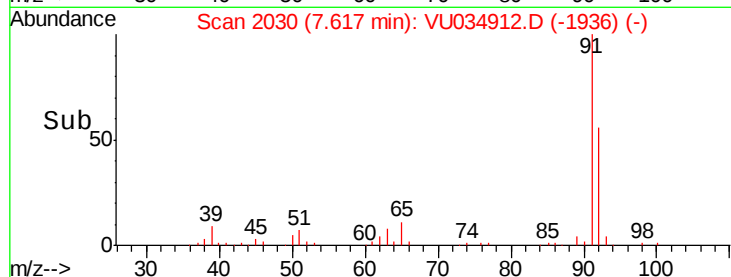
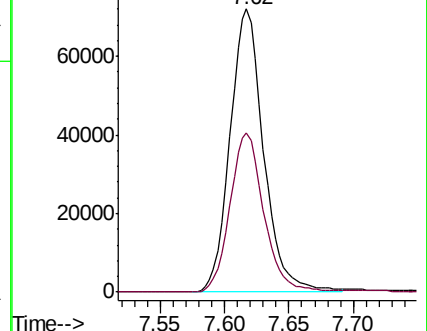
91 100

92 56.4 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU034913.D (-2014) (-)

Ion 92.00 (91.70 to 92.70): VU034913.D (-2014) (-)



#44

trans-1,3-Dichloropropene

Concen: 9.250 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.01 min

Lab File: VU034912.D

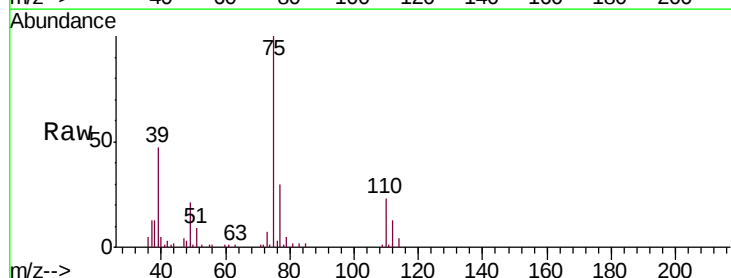
Acq: 03 Oct 2019 11:59

Tgt Ion: 75 Resp: 41649

Ion Ratio Lower Upper

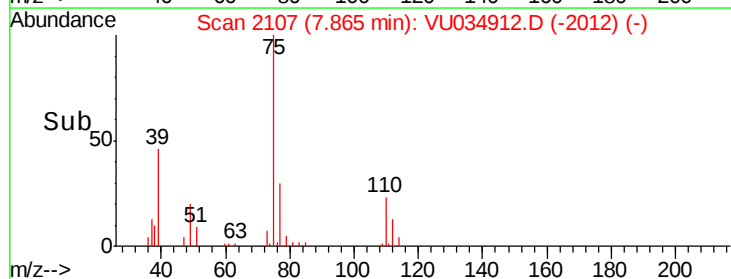
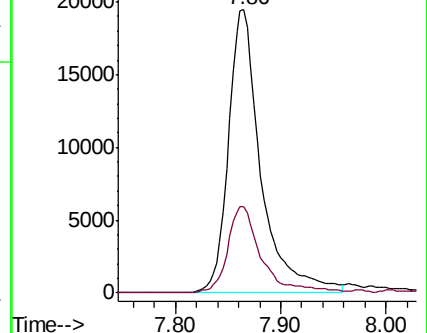
75 100

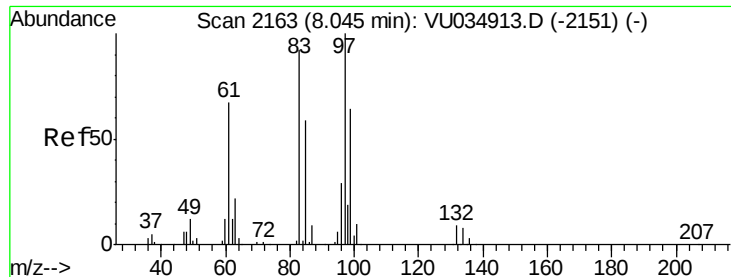
77 30.3 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU034913.D (-2087) (-)

Ion 77.00 (76.70 to 77.70): VU034913.D (-2087) (-)

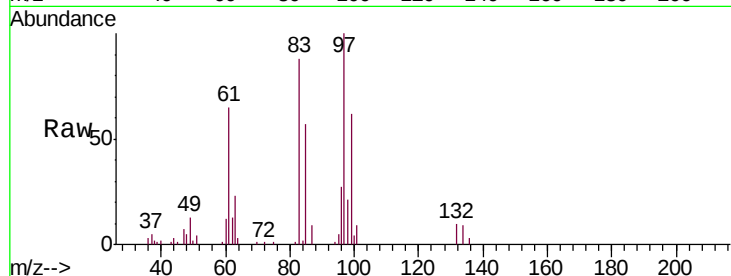




#45
 1,1,2-Trichloroethane
 Concen: 9.998 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU034912.D
 Acq: 03 Oct 2019 11:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

Tgt Ion:	97	Resp:	30584
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.8	83.2
83	88.4	64.4	119.6
85	57.1	41.4	76.8



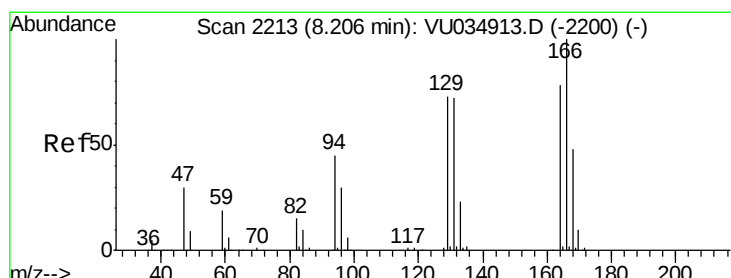
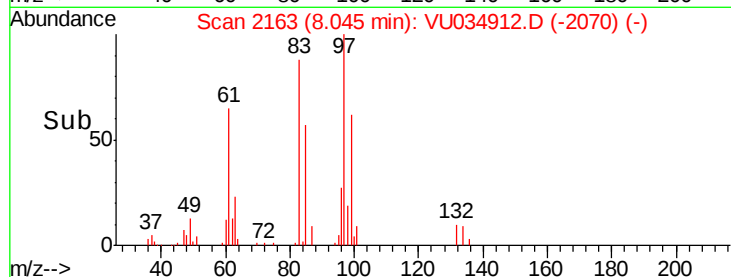
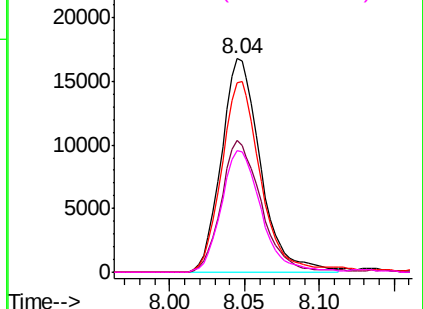
Abundance

Ion 97.00 (96.70 to 97.70): VU034912.D (-2151) (-)

Ion 99.00 (98.70 to 99.70): VU034912.D (-2151) (-)

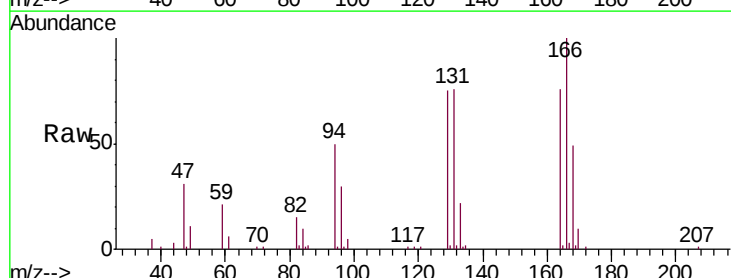
Ion 83.00 (82.70 to 83.70): VU034912.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU034912.D (-2151) (-)



#46
 Tetrachloroethene
 Concen: 9.825 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU034912.D
 Acq: 03 Oct 2019 11:59

Tgt Ion:	164	Resp:	23852
Ion	Ratio	Lower	Upper
164	100		
129	97.7	65.9	122.3
131	100.0	64.9	120.5
166	130.8	89.9	166.9



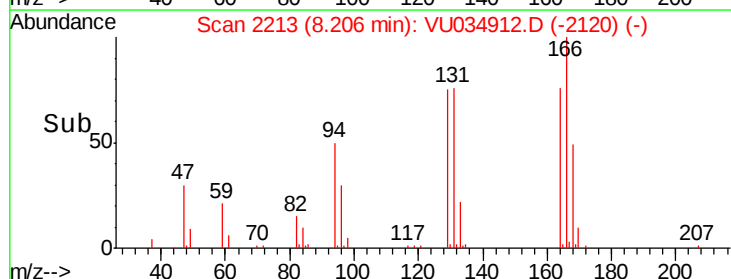
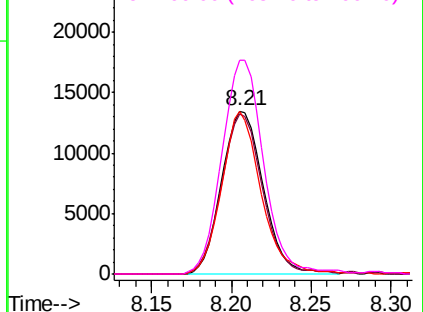
Abundance

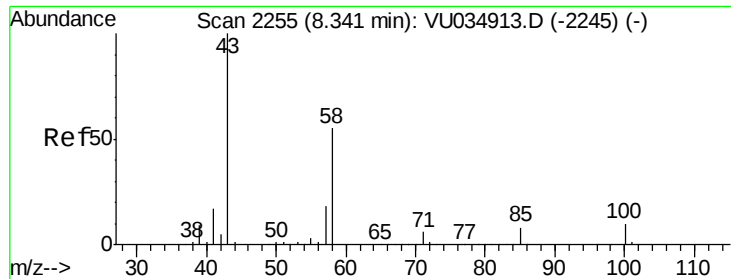
Ion 164.00 (163.70 to 164.70): VU034912.D (-2210) (-)

Ion 129.00 (128.70 to 129.70): VU034912.D (-2210) (-)

Ion 131.00 (130.70 to 131.70): VU034912.D (-2210) (-)

Ion 166.00 (165.70 to 166.70): VU034912.D (-2210) (-)

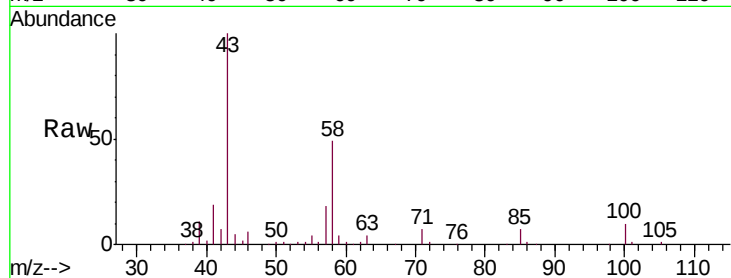




#48
2-Hexanone
Concen: 19.801 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.01 min
Lab File: VU034912.D
Acq: 03 Oct 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD01034

Tgt Ion:	43	Resp:	72869
Ion	Ratio	Lower	Upper
43	100		
58	50.8	40.8	61.2
57	16.6	14.0	21.0
100	9.2	8.0	12.0

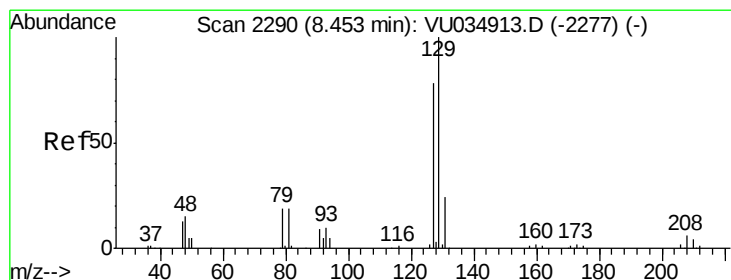
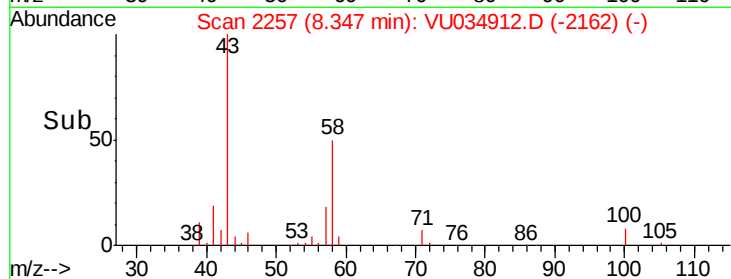
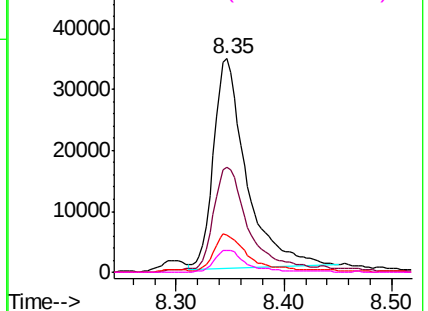


Abundance Ion 43.00 (42.70 to 43.70): VU034912.D (-2162) (-)

Ion 58.00 (57.70 to 58.70): VU034912.D (-2162) (-)

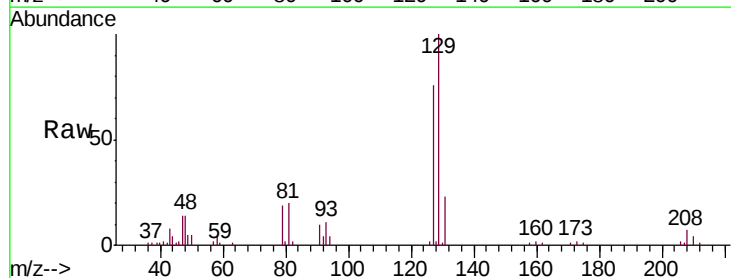
Ion 57.00 (56.70 to 57.70): VU034912.D (-2162) (-)

Ion 100.00 (99.70 to 100.70): VU034912.D (-2162) (-)



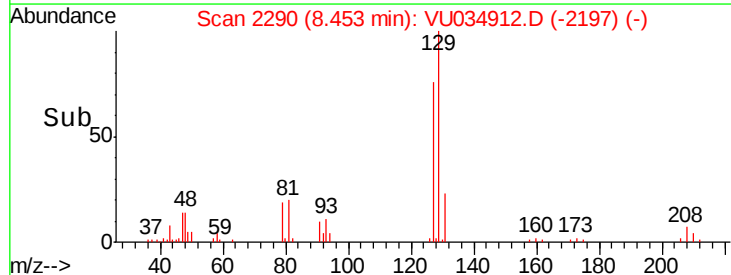
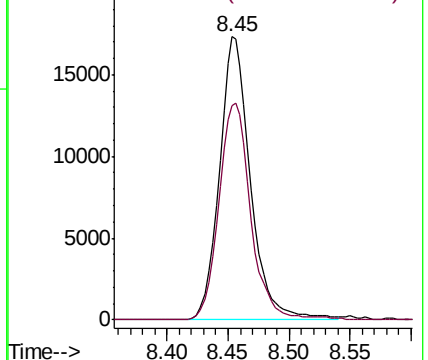
#49
Dibromochloromethane
Concen: 9.065 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034912.D
Acq: 03 Oct 2019 11:59

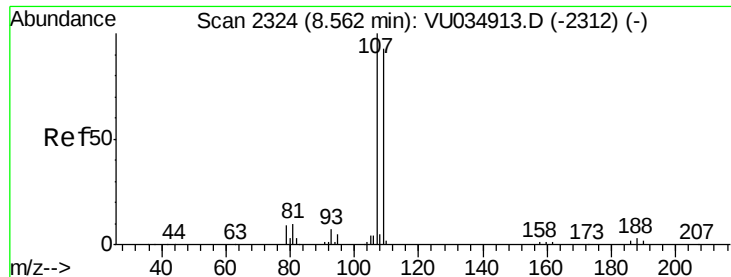
Tgt Ion:	129	Resp:	30825
Ion	Ratio	Lower	Upper
129	100		
127	75.7	54.3	100.9



Abundance Ion 129.00 (128.70 to 129.70): VU034912.D (-2197) (-)

Ion 127.00 (126.70 to 127.70): VU034912.D (-2197) (-)

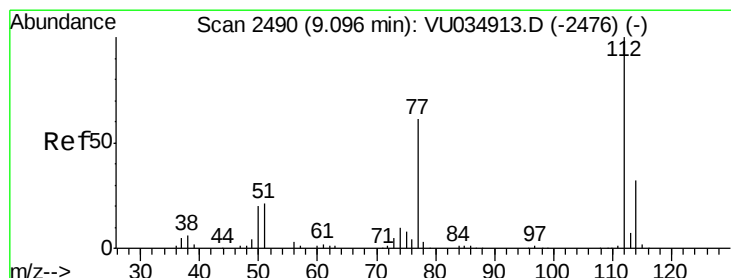
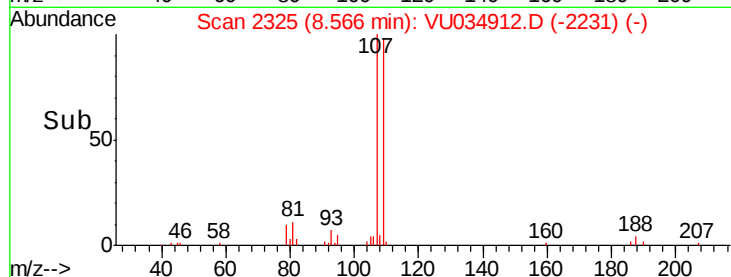
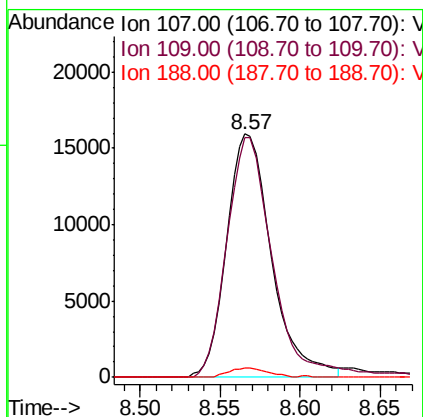
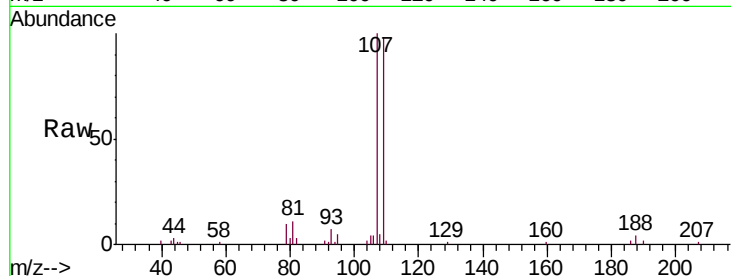




#50
1,2-Dibromoethane
Concen: 9.193 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU034912.D
Acq: 03 Oct 2019 11:59

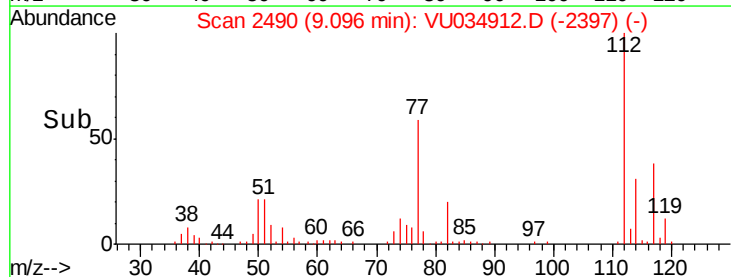
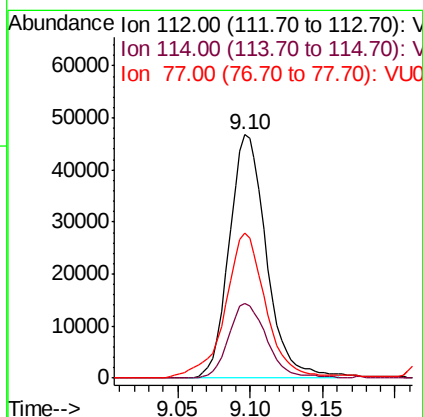
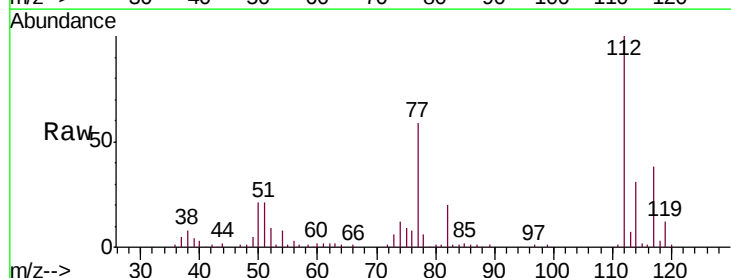
Instrument :
MSVOA_U
ClientSampleId :
VSTD01034

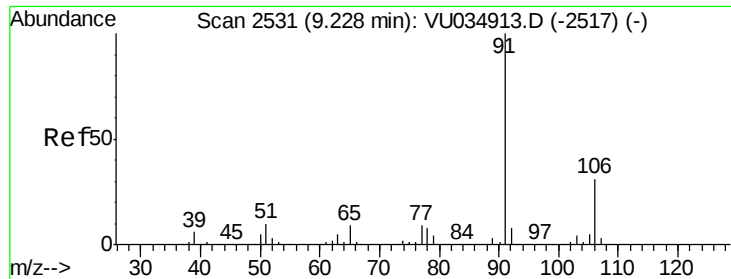
Tgt Ion:107 Resp: 30610
Ion Ratio Lower Upper
107 100
109 98.3 65.2 121.0
188 3.8 2.6 4.0



#51
Chlorobenzene
Concen: 9.945 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034912.D
Acq: 03 Oct 2019 11:59

Tgt Ion:112 Resp: 83539
Ion Ratio Lower Upper
112 100
114 30.7 22.3 41.3
77 59.4 48.7 73.1





#52

Ethylbenzene

Concen: 10.216 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

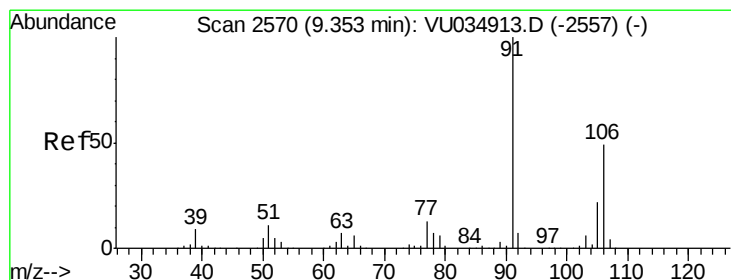
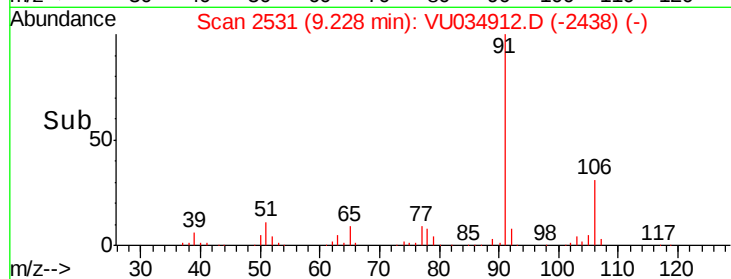
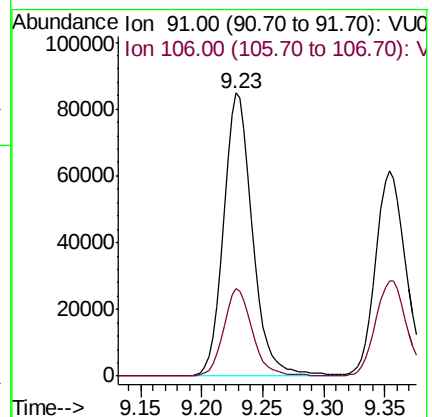
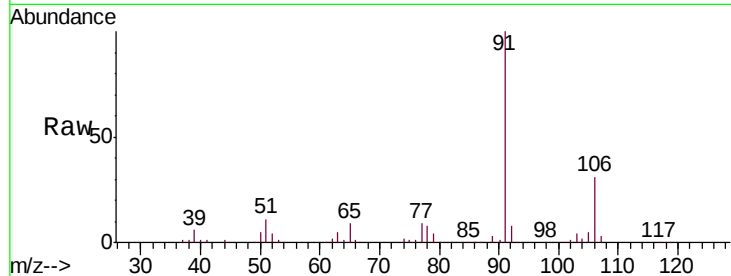
VSTD01034

Tgt Ion: 91 Resp: 141842

Ion Ratio Lower Upper

91 100

106 30.7 21.6 40.2



#53

m,p-Xylene

Concen: 9.868 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034912.D

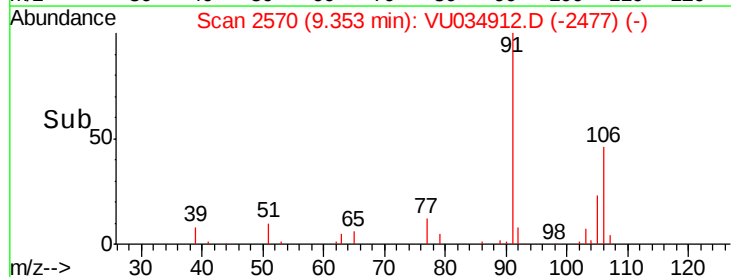
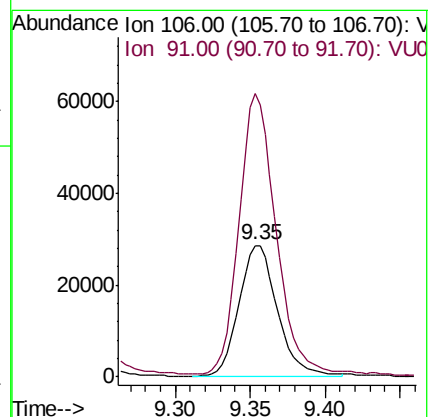
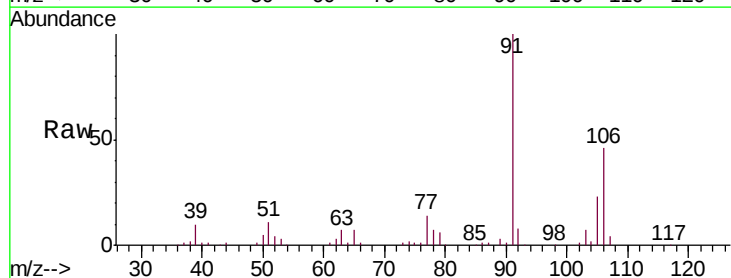
Acq: 03 Oct 2019 11:59

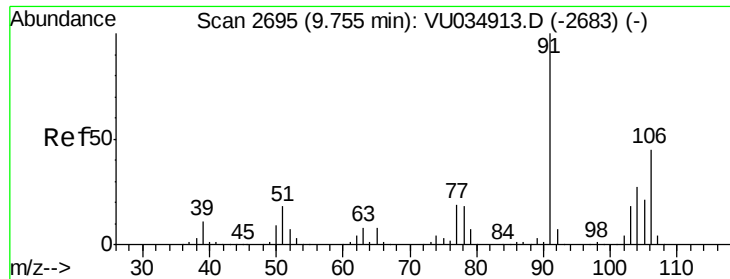
Tgt Ion: 106 Resp: 51676

Ion Ratio Lower Upper

106 100

91 215.7 144.5 268.3





#54

o-xylene

Concen: 9.754 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

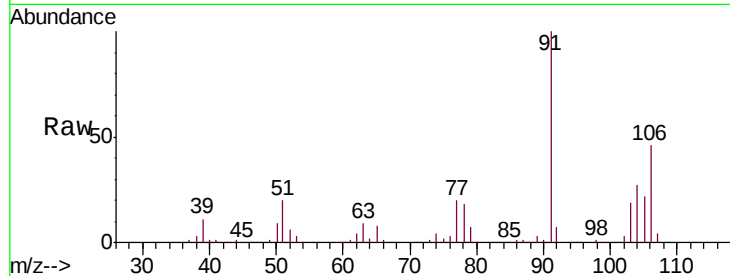
VSTD01034

Tgt Ion:106 Resp: 50648

Ion Ratio Lower Upper

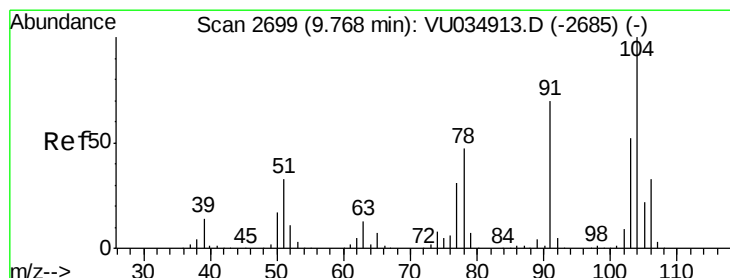
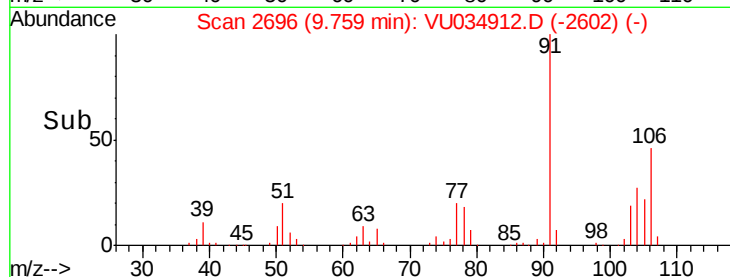
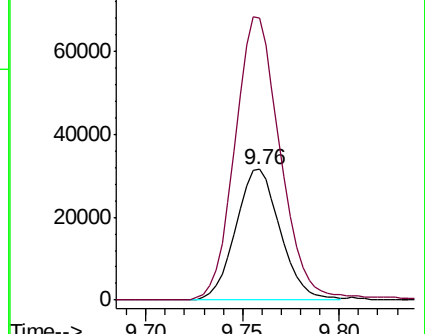
106 100

91 215.5 154.1 286.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 9.270 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU034912.D

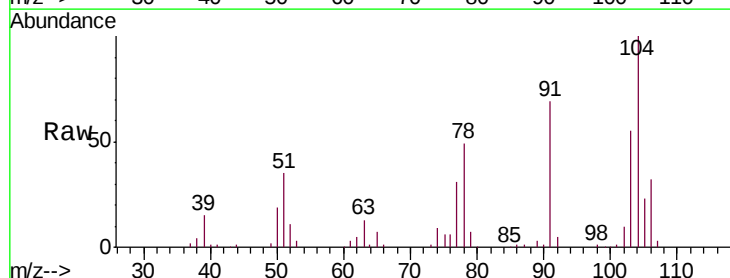
Acq: 03 Oct 2019 11:59

Tgt Ion:104 Resp: 81302

Ion Ratio Lower Upper

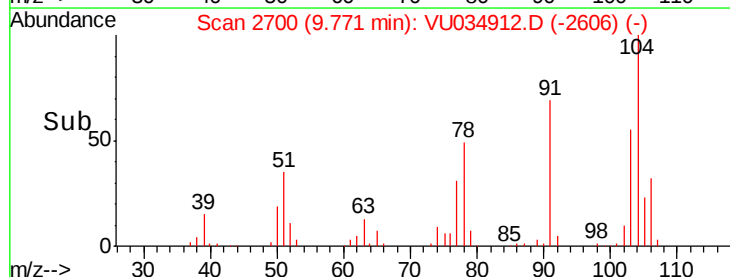
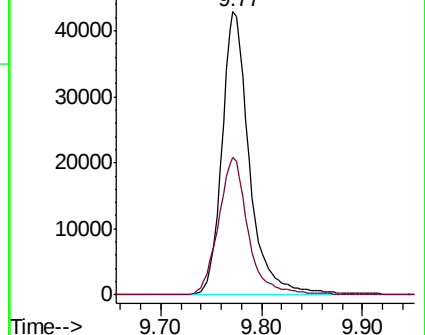
104 100

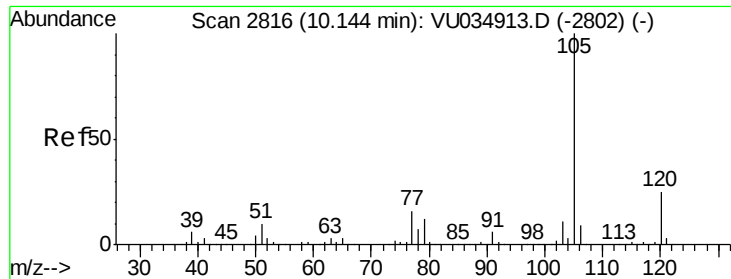
78 48.7 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 9.934 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD01034

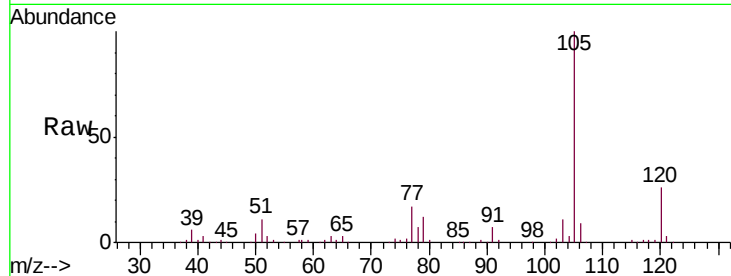
Tgt Ion: 105 Resp: 133139

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

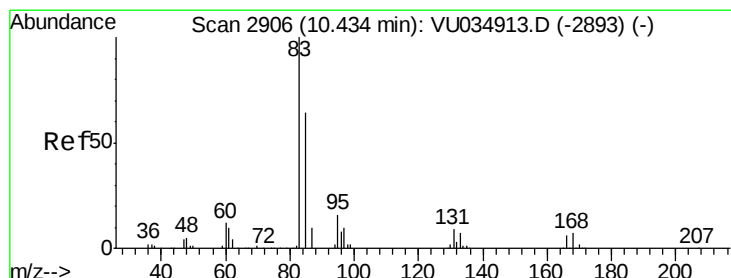
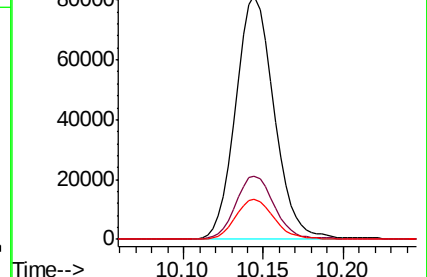
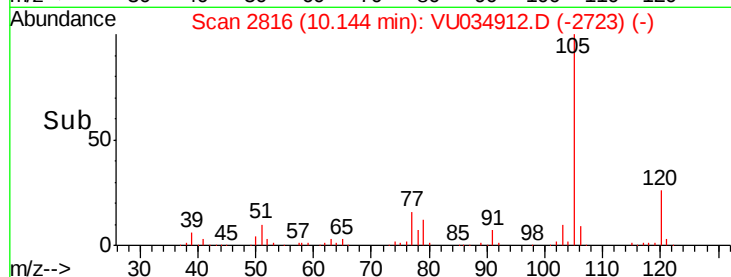
77 16.6 12.8 19.2



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: 9.959 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

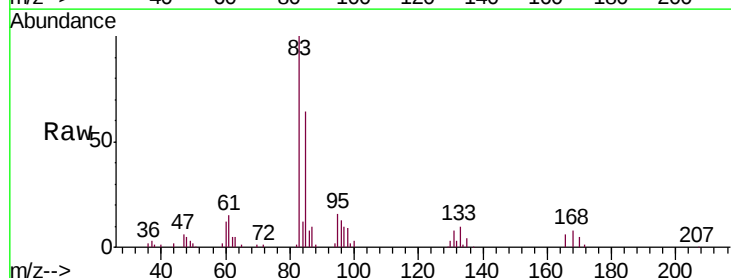
Tgt Ion: 83 Resp: 53785

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9

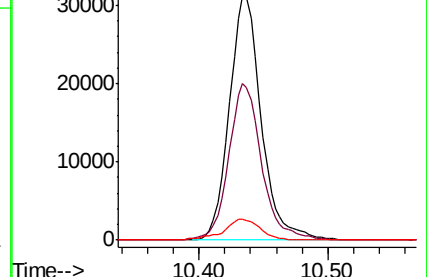
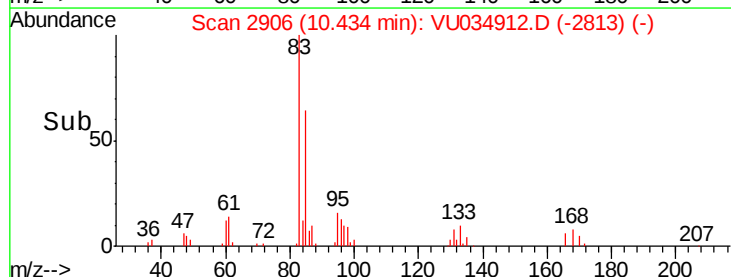
131 8.4 7.4 11.2

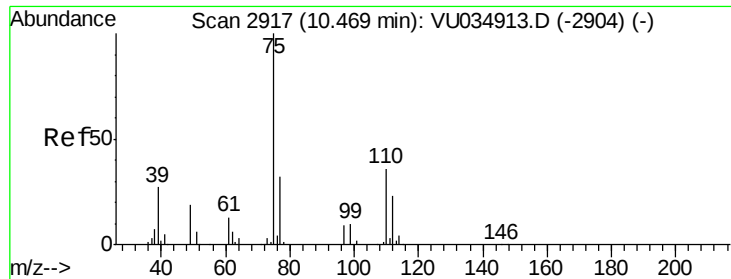


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

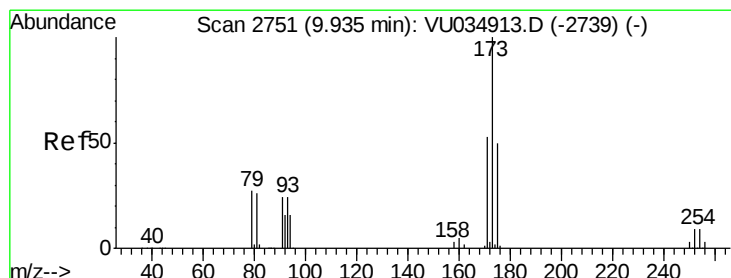
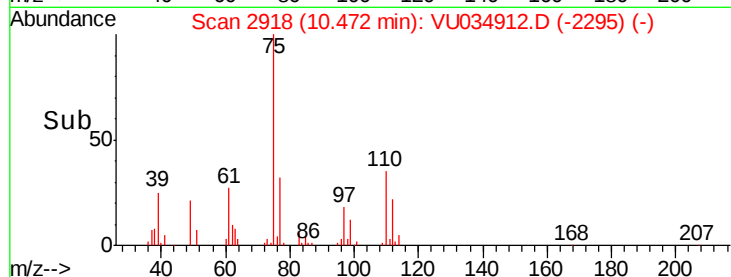
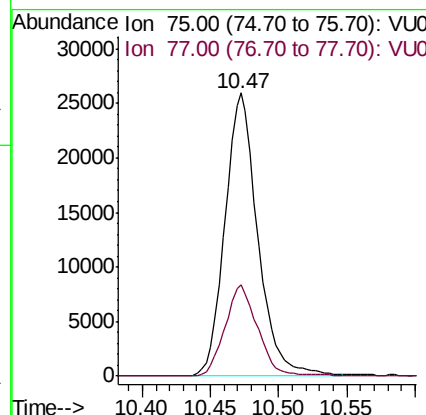
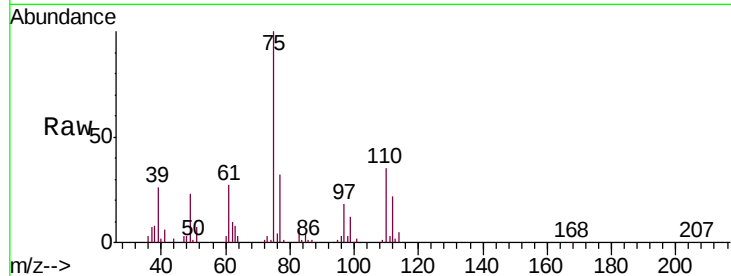




#59
 1,2,3-Trichloropropane
 Concen: 10.212 ug/L
 RT: 10.47 min Scan# 2918
 Delta R.T. 0.00 min
 Lab File: VU034912.D
 Acq: 03 Oct 2019 11:59

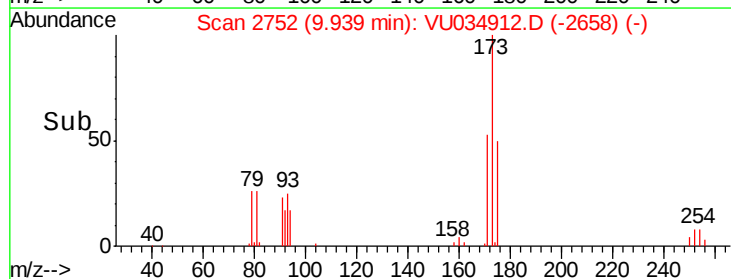
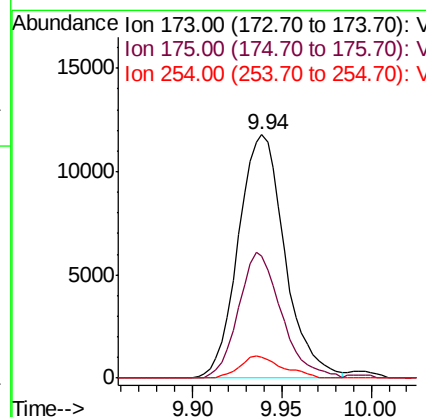
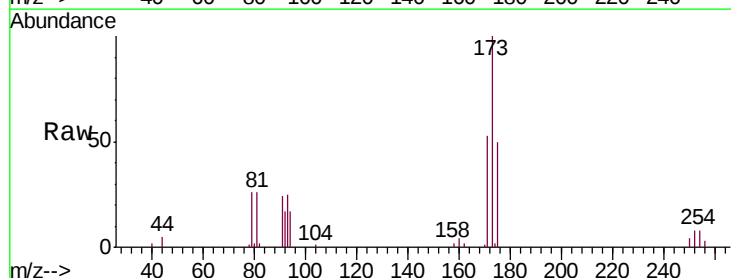
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

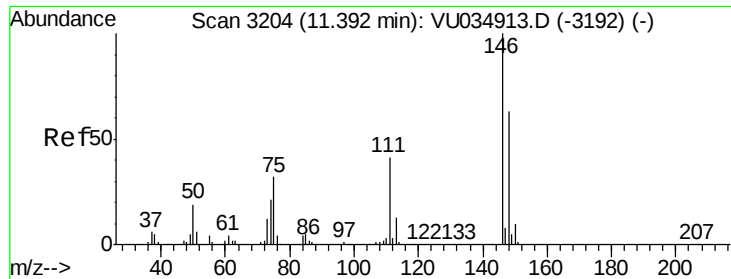
Tgt Ion: 75 Resp: 43488
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.7 38.5



#61
 Bromoform
 Concen: 9.978 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU034912.D
 Acq: 03 Oct 2019 11:59

Tgt Ion: 173 Resp: 21493
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.6 57.8
 254 8.1 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 10.318 ug/L

RT: 11.40 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD01034

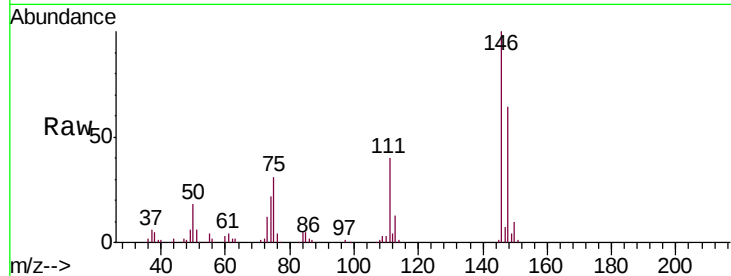
Tgt Ion:146 Resp: 56002

Ion Ratio Lower Upper

146 100

111 40.1 28.8 53.6

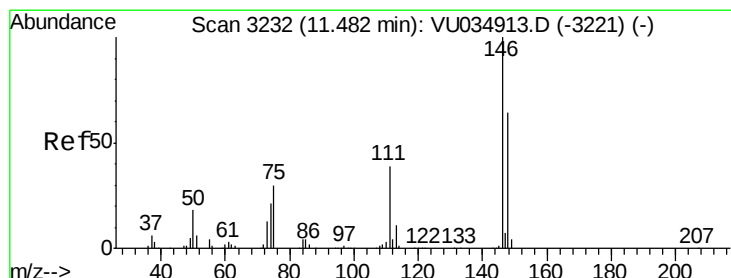
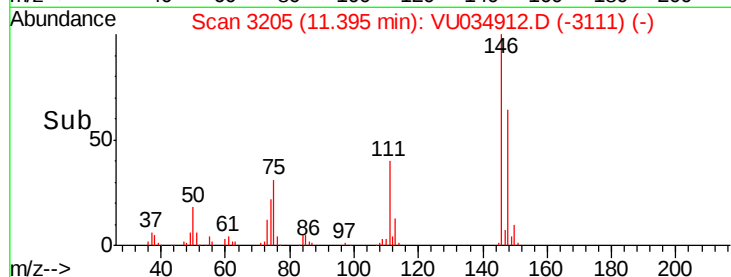
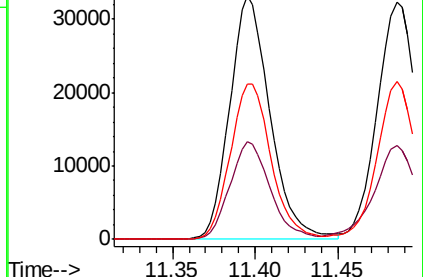
148 63.8 44.4 82.5



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: 10.295 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

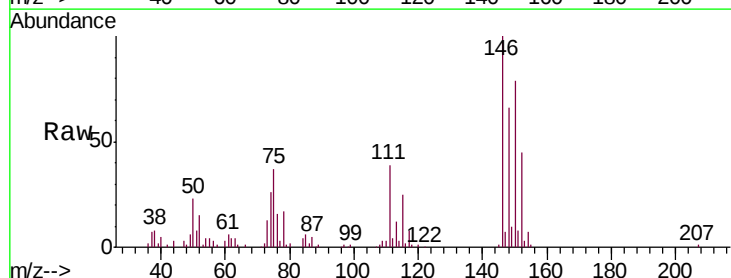
Tgt Ion:146 Resp: 57839

Ion Ratio Lower Upper

146 100

111 39.3 27.3 50.7

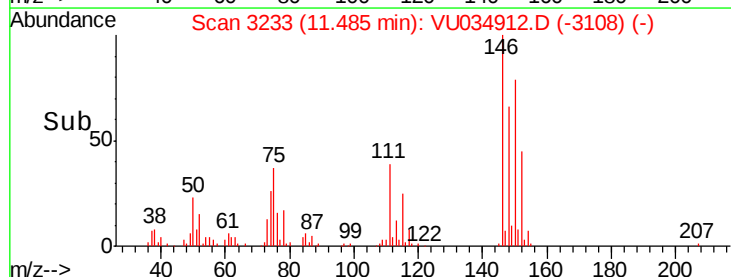
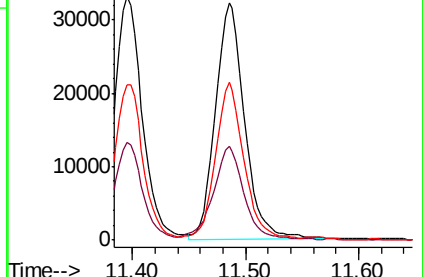
148 66.2 44.5 82.7

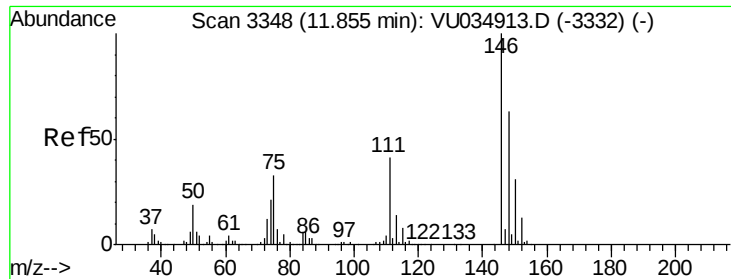


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

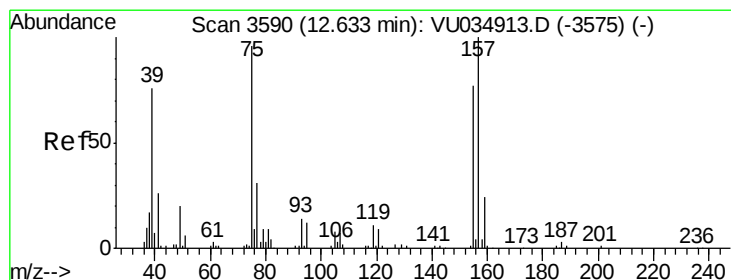
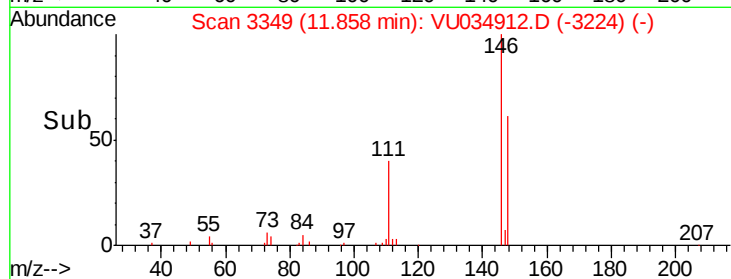
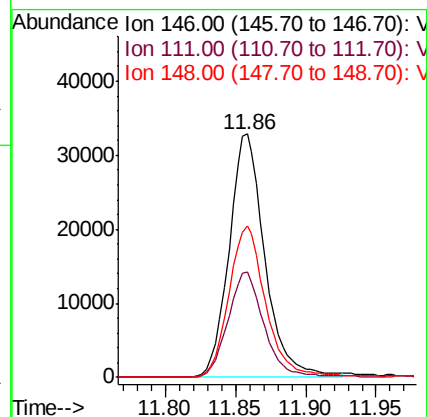
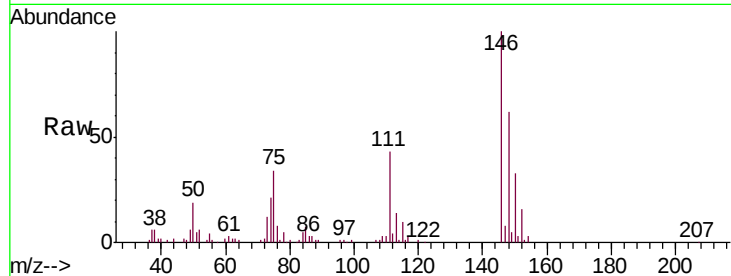




#65
 1,2-Dichlorobenzene
 Concen: 10.503 ug/L
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034912.D
 Acq: 03 Oct 2019 11:59

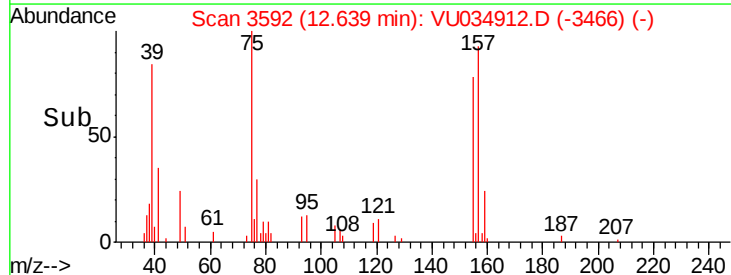
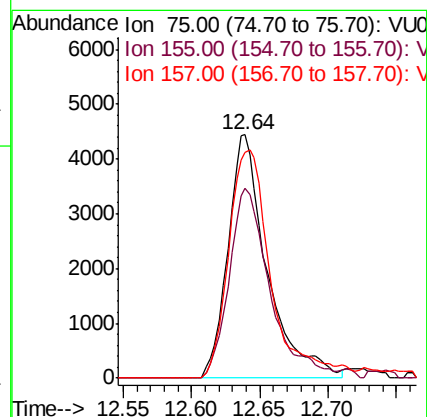
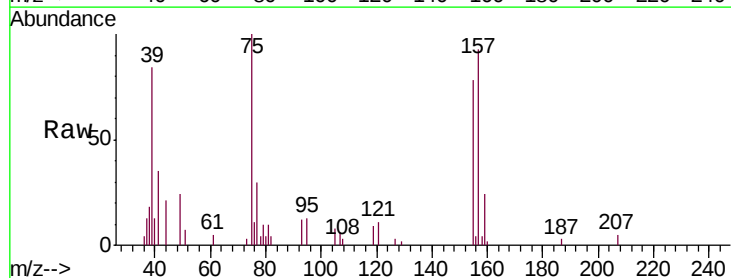
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

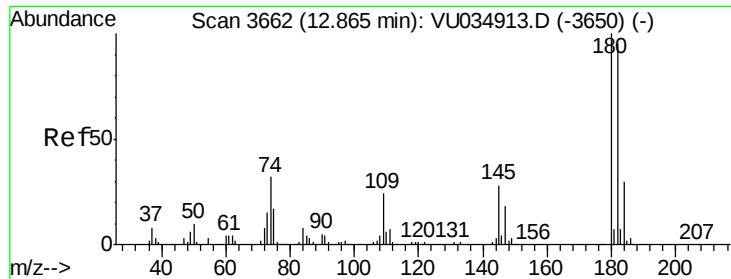
Tgt Ion: 146 Resp: 58181
 Ion Ratio Lower Upper
 146 100
 111 43.1 33.0 49.4
 148 62.0 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.417 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.01 min
 Lab File: VU034912.D
 Acq: 03 Oct 2019 11:59

Tgt Ion: 75 Resp: 8860
 Ion Ratio Lower Upper
 75 100
 155 78.2 64.2 96.2
 157 92.7 83.0 124.4

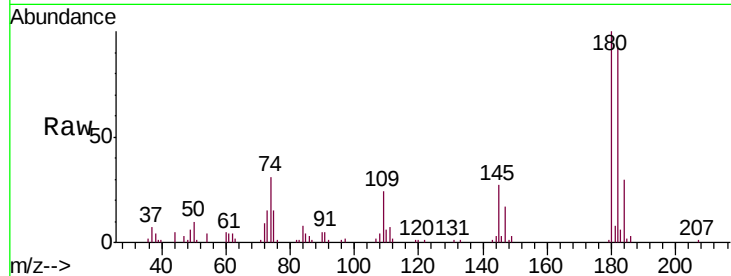




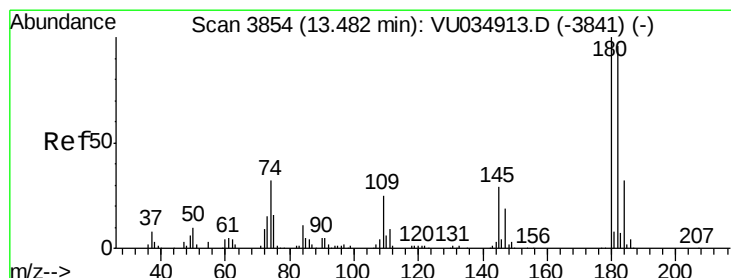
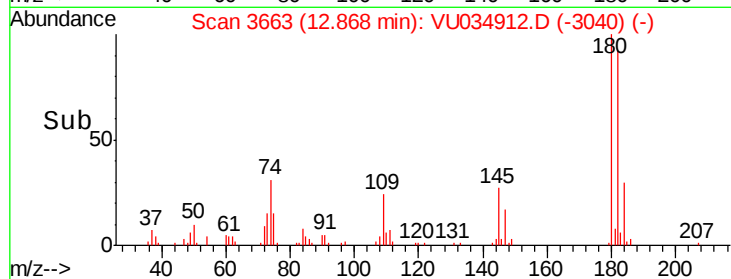
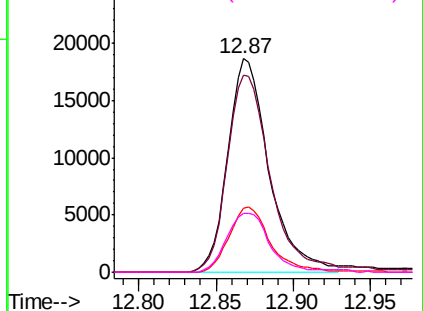
#67
 1,3,5-Trichlorobenzene
 Concen: 8.937 ug/L
 RT: 12.87 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VU034912.D
 Acq: 03 Oct 2019 11:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

Tgt Ion:180 Resp: 34623
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.6 115.0
 184 30.1 24.1 36.1
 145 28.5 22.4 33.6

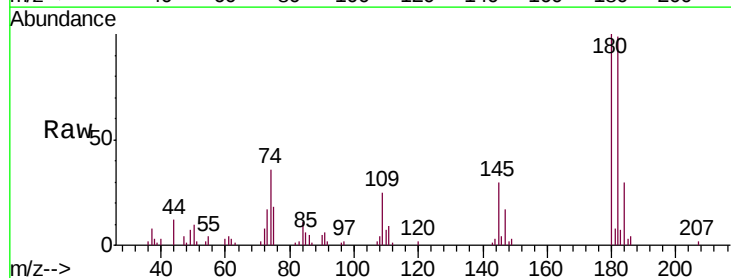


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

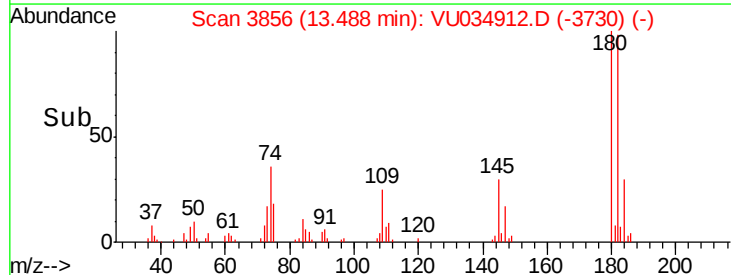
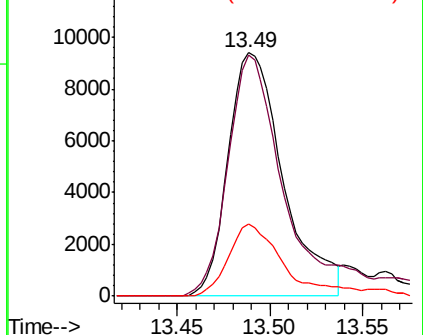


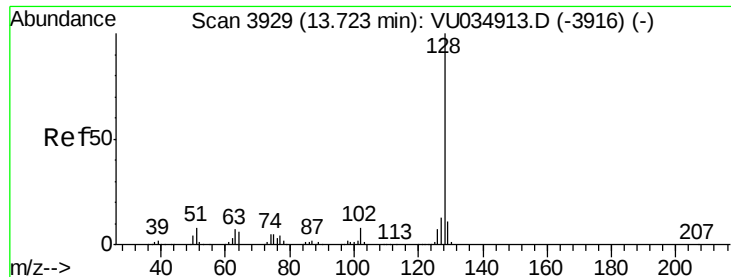
#68
 1,2,4-trichlorobenzene
 Concen: 5.901 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.01 min
 Lab File: VU034912.D
 Acq: 03 Oct 2019 11:59

Tgt Ion:180 Resp: 19527
 Ion Ratio Lower Upper
 180 100
 182 93.0 76.5 114.7
 145 29.3 22.6 33.8



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: 5.178 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.01 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD01034

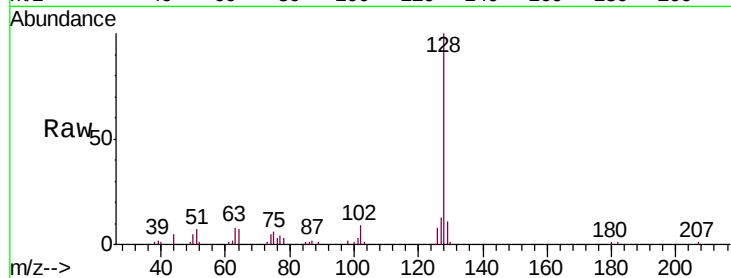
Tgt Ion:128 Resp: 54114

Ion Ratio Lower Upper

128 100

127 11.4 10.2 15.2

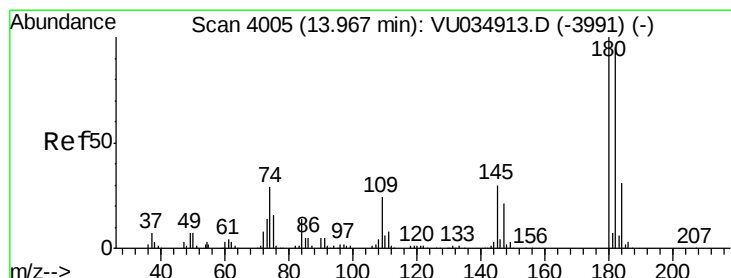
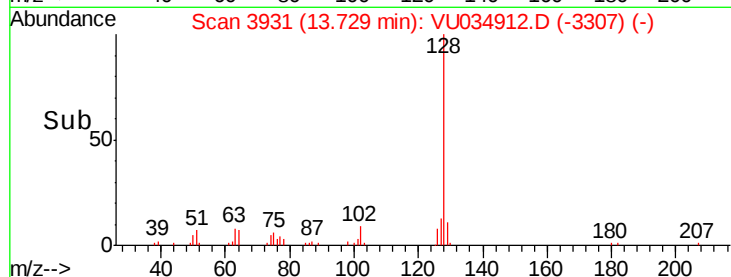
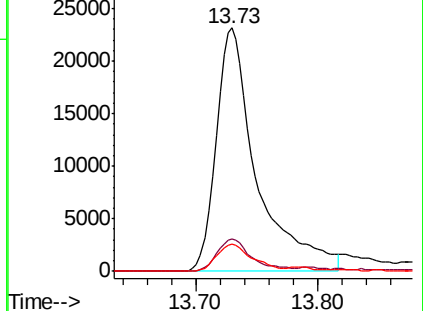
129 9.8 8.4 12.6



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: 6.758 ug/L

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034912.D

Acq: 03 Oct 2019 11:59

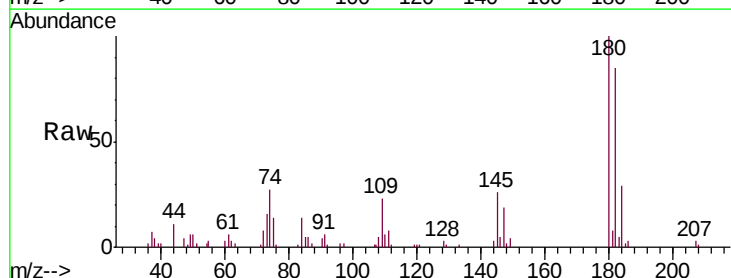
Tgt Ion:180 Resp: 24209

Ion Ratio Lower Upper

180 100

182 94.3 77.2 115.8

145 28.3 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

