

Data File : VU034913.D
Acq On : 03 Oct 2019 12:22
Operator : JC/SP
Sample : VSTD05035
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

Quant Time: Oct 04 05:11:17 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	422618	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	408426	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	198840	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	165120	50.80	ug/L	0.00
7) Chloroethane-d5	1.67	69	126877	46.79	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	298468	51.60	ug/L	0.00
21) 2-Butanone-d5	4.15	46	255003	118.64	ug/L	0.00
24) Chloroform-d	4.62	84	279602	51.23	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	185866	52.64	ug/L	0.00
32) Benzene-d6	5.32	84	585844	55.99	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	188557	55.91	ug/L	0.00
41) Toluene-d8	7.54	98	545828	55.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	89115	54.75	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	182519	118.42	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	268236	53.31	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	198508	53.89	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	181487	43.962	ug/L	100
3) Chloromethane	1.32	50	205736	49.348	ug/L	100
5) Vinyl chloride	1.40	62	194321	41.753	ug/L	100
6) Bromomethane	1.62	94	109966	37.931	ug/L	100
8) Chloroethane	1.69	64	112901	40.587	ug/L	100
9) Trichlorofluoromethane	1.87	101	226074	37.758	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	129047	45.625	ug/L	100
12) 1,1-Dichloroethene	2.27	96	126521	45.656	ug/L	100
13) Acetone	2.31	43	245944	95.533	ug/L	100
14) Carbon disulfide	2.46	76	407670	47.253	ug/L	100
15) Methyl Acetate	2.60	43	188499	54.814	ug/L	100
16) Methylene chloride	2.68	84	155819	48.136	ug/L	100
17) trans-1,2-Dichloroethene	2.96	96	139690	47.799	ug/L	100
18) Methyl tert-butyl Ether	2.98	73	470485	51.399	ug/L	100
19) 1,1-Dichloroethane	3.42	63	280935	49.561	ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	158121	47.988	ug/L	100
22) 2-Butanone	4.23	43	301418	104.394	ug/L	100
23) Bromochloromethane	4.52	128	79394	47.215	ug/L	100
25) Chloroform	4.65	83	286147	47.765	ug/L	100
27) 1,2-Dichloroethane	5.38	62	232290	49.872	ug/L	100
29) Cyclohexane	4.97	56	255769	55.239	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	230803	47.878	ug/L	100
31) Carbon tetrachloride	5.11	117	200759	47.742	ug/L	100
33) Benzene	5.37	78	631390	51.727	ug/L	100
34) Trichloroethene	6.16	95	156971	49.442	ug/L	100
35) Methylcyclohexane	6.39	83	252503	51.685	ug/L	100
37) 1,2-Dichloropropane	6.41	63	171949	51.794	ug/L	100
38) Bromodichloromethane	6.73	83	207459	49.190	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	265871	51.839	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	533361	116.049	ug/L	100

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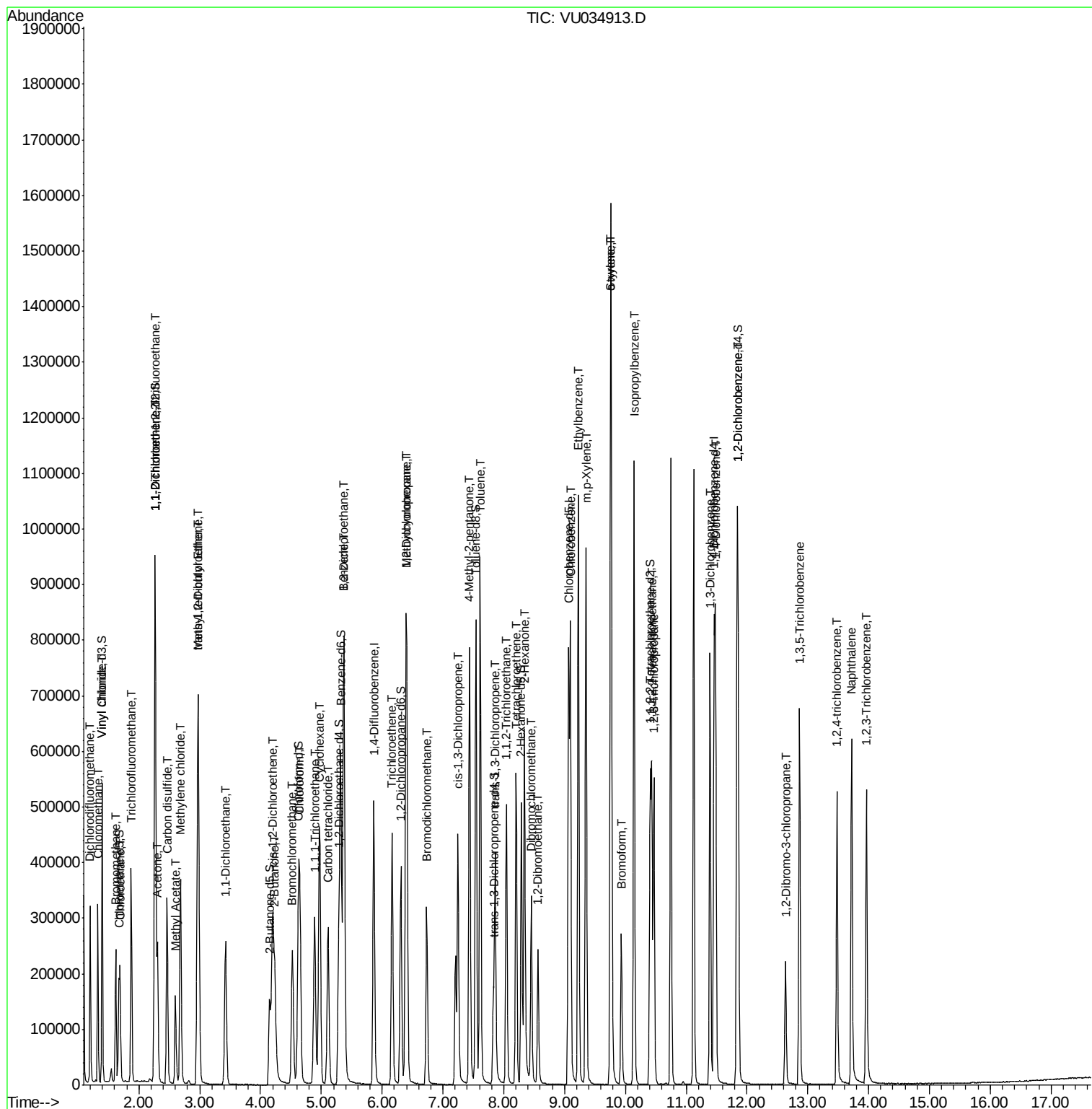
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	671615	51.300	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	236480	51.873	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	152137	49.122	ug/L	100
46) Tetrachloroethene	8.21	164	122542	49.853	ug/L	100
48) 2-Hexanone	8.34	43	430168	115.455	ug/L	100
49) Dibromochloromethane	8.45	129	166059	48.234	ug/L	100
50) 1,2-Dibromoethane	8.56	107	165668	49.143	ug/L	100
51) Chlorobenzene	9.10	112	418627	49.222	ug/L	100
52) Ethylbenzene	9.23	91	737659	52.477	ug/L	100
53) m,p-Xylene	9.35	106	275095	51.885	ug/L	100
54) o-xylene	9.76	106	271746	51.690	ug/L	100
55) Styrene	9.77	104	459792	51.782	ug/L	100
56) Isopropylbenzene	10.14	105	709244	52.268	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	274853	50.264	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	219821	50.984	ug/L	100
61) Bromoform	9.94	173	122061	49.230	ug/L	100
62) 1,3-Dichlorobenzene	11.39	146	309877	49.601	ug/L	100
63) 1,4-Dichlorobenzene	11.48	146	306199	47.352	ug/L	100
65) 1,2-Dichlorobenzene	11.85	146	312744	49.050	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.63	75	56746	46.833	ug/L	100
67) 1,3,5-Trichlorobenzene	12.86	180	215340	48.292	ug/L	100
68) 1,2,4-trichlorobenzene	13.48	180	166751	43.776	ug/L	100
69) Naphthalene	13.72	128	511976	42.558	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	171545	41.606	ug/L	100

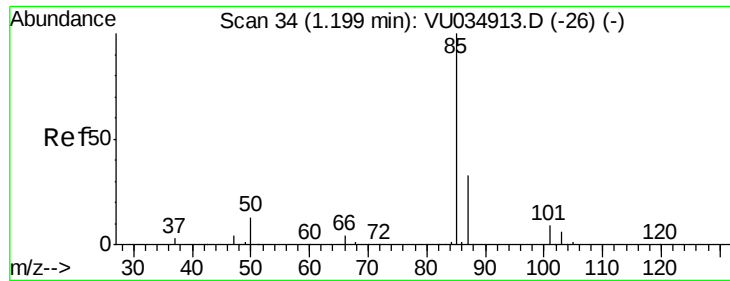
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 43.962 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

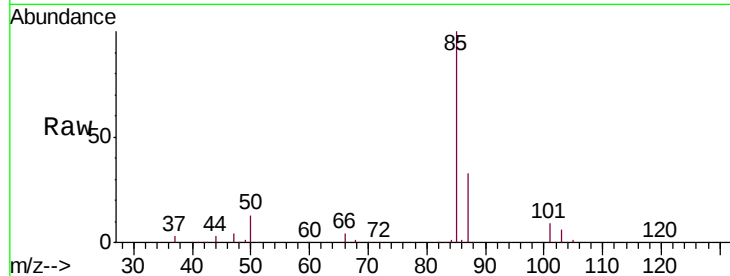
VSTD05035

Tgt Ion: 85 Resp: 181487

Ion Ratio Lower Upper

85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

200000

150000

100000

50000

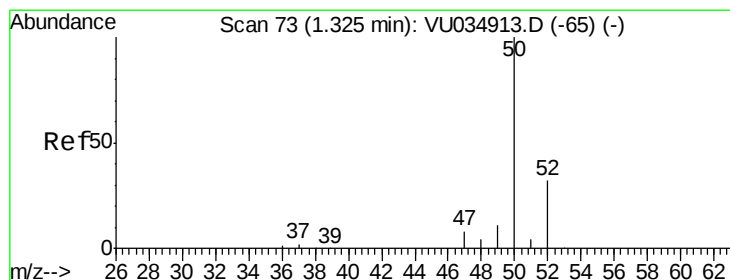
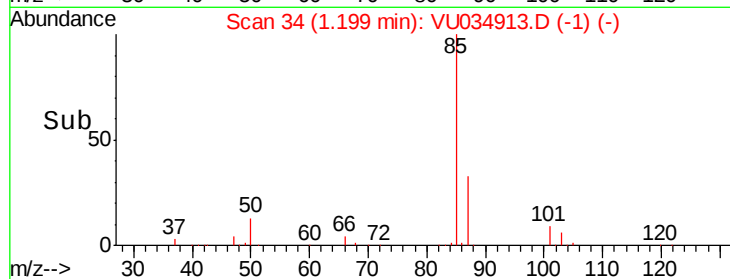
0

1.15

1.20

1.25

Time-->



#3

Chloromethane

Concen: 49.348 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034913.D

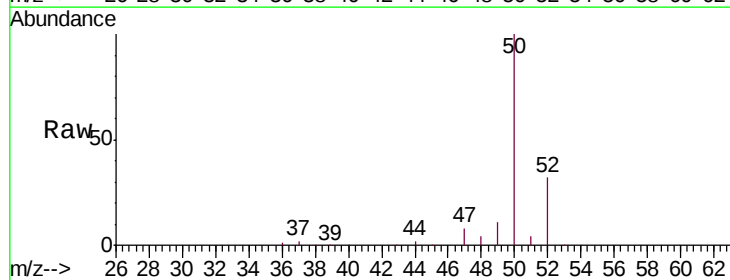
Acq: 03 Oct 2019 12:22

Tgt Ion: 50 Resp: 205736

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

200000

150000

100000

50000

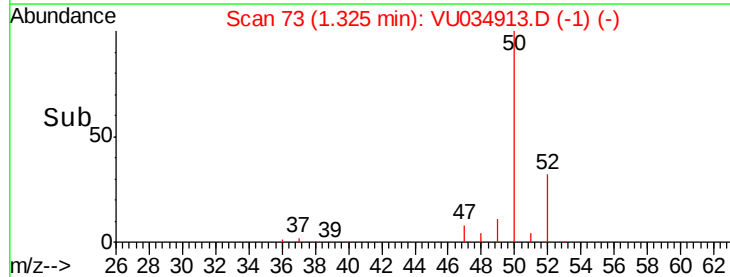
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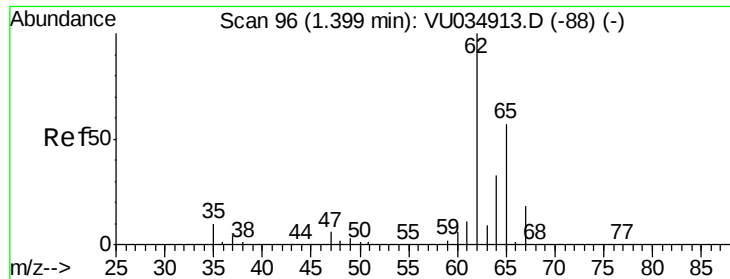
1.30

1.32

1.35

Time-->





#5

Vinyl chloride

Concen: 41.753 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

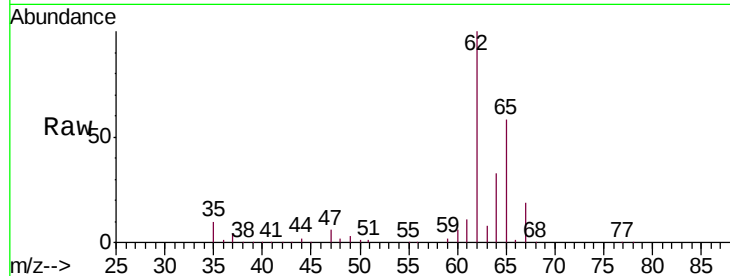
VSTD05035

Tgt Ion: 62 Resp: 194321

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU034913.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU034913.D (-88) (-)

1.40

200000

150000

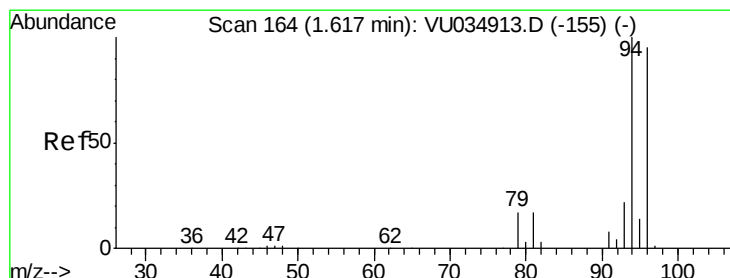
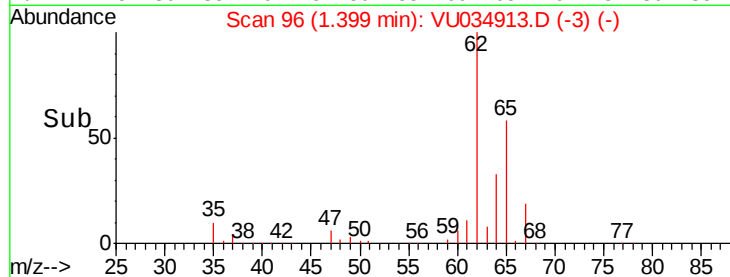
100000

50000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 37.931 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU034913.D

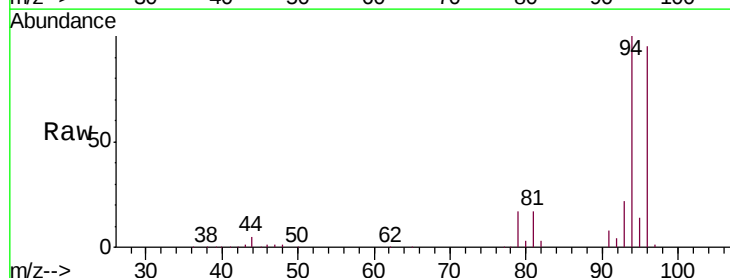
Acq: 03 Oct 2019 12:22

Tgt Ion: 94 Resp: 109966

Ion Ratio Lower Upper

94 100

96 94.9 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VU034913.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034913.D (-155) (-)

1.62

80000

60000

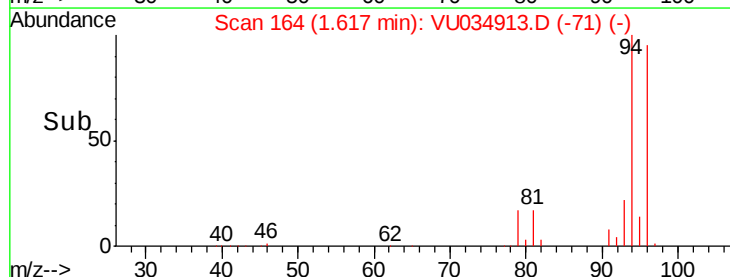
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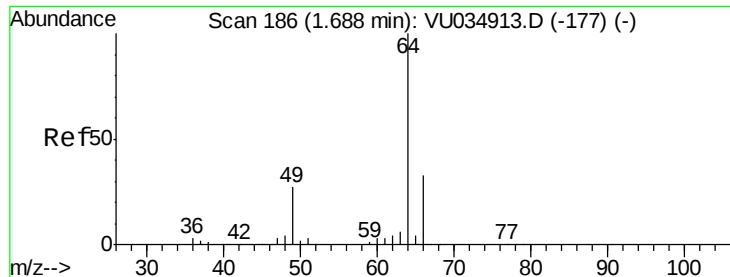
20000

0

1.55 1.60 1.65

Time-->





#8

Chloroethane

Concen: 40.587 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

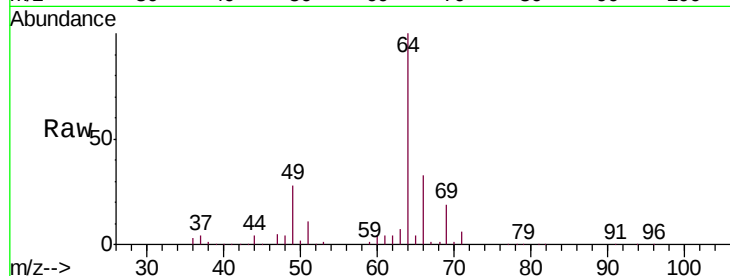
VSTD05035

Tgt Ion: 64 Resp: 112901

Ion Ratio Lower Upper

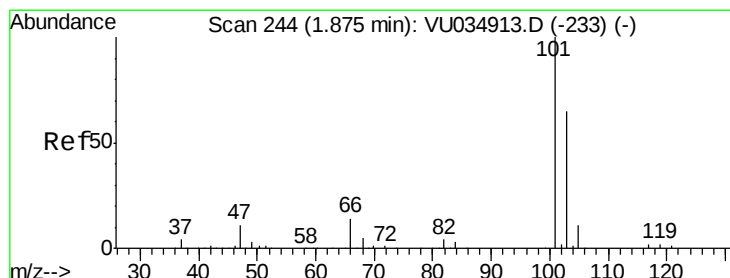
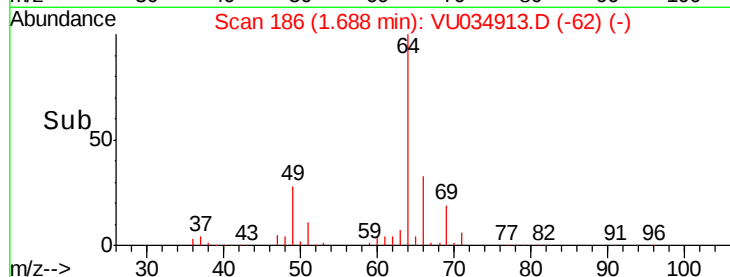
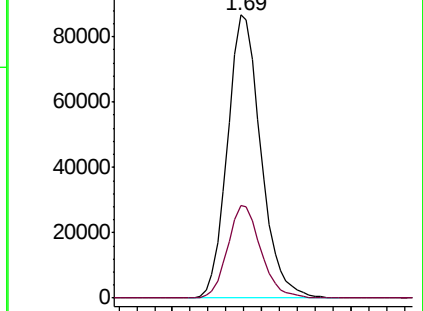
64 100

66 32.7 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU034913.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU034913.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 37.758 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU034913.D

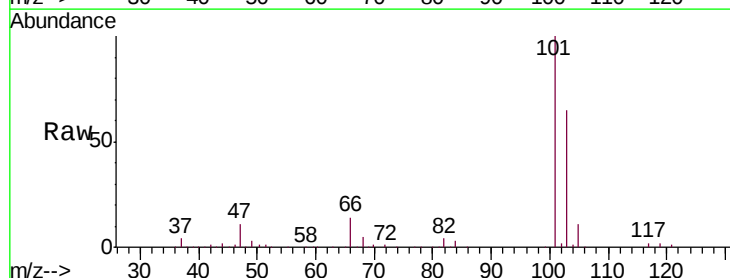
Acq: 03 Oct 2019 12:22

Tgt Ion: 101 Resp: 226074

Ion Ratio Lower Upper

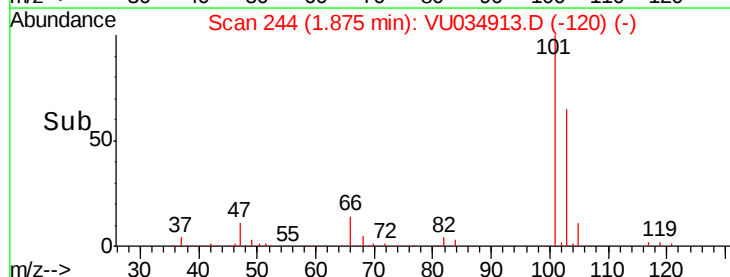
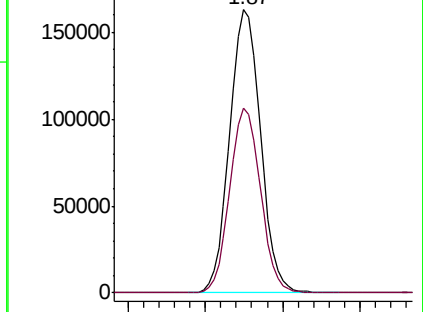
101 100

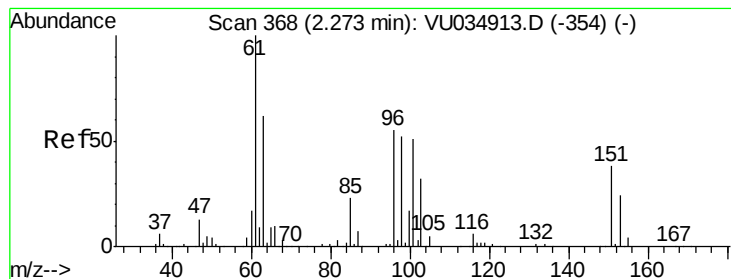
103 64.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU034913.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034913.D (-233) (-)





#10

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

Concen: 45.625 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

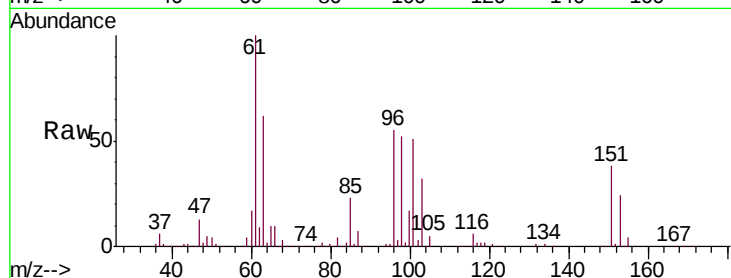
Tgt Ion: 101 Resp: 129047

Ion Ratio Lower Upper

101 100

85 44.9 35.9 53.9

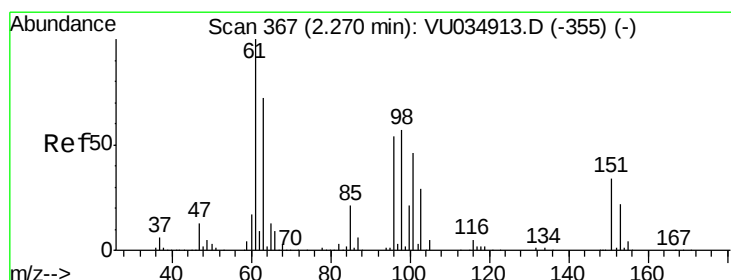
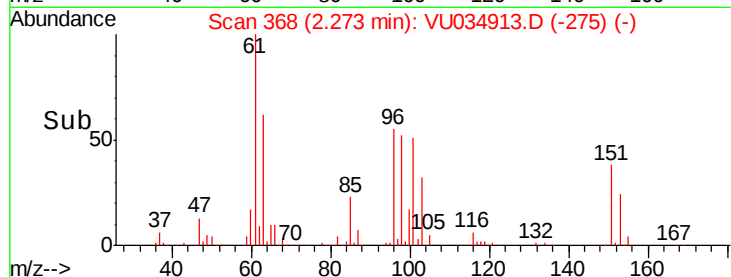
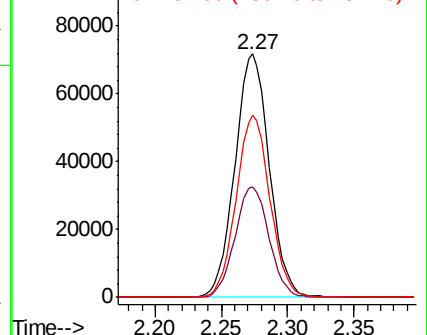
151 73.7 59.0 88.4



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: 45.656 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

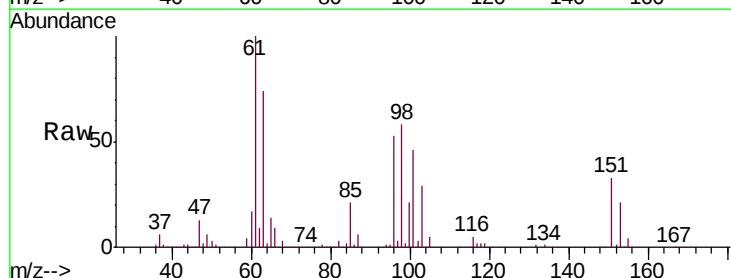
Tgt Ion: 96 Resp: 126521

Ion Ratio Lower Upper

96 100

61 187.4 131.2 243.6

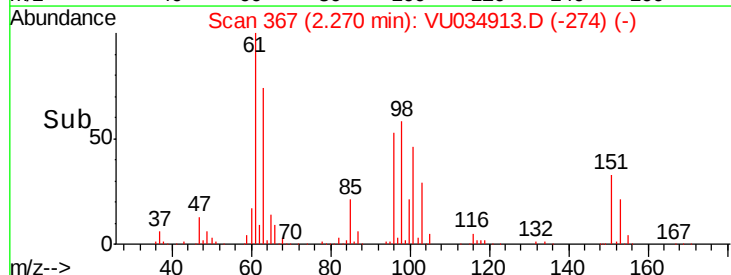
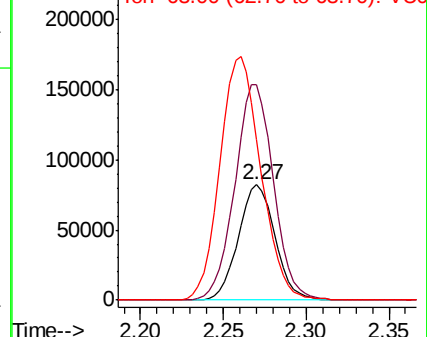
63 139.4 97.6 181.2

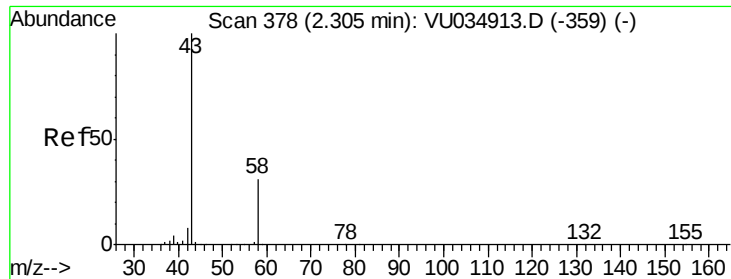


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.533 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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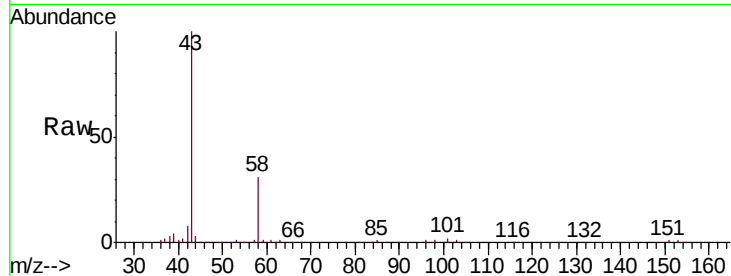
VSTD05035

Tgt Ion: 43 Resp: 245944

Ion Ratio Lower Upper

43 100

58 30.7 0.0 61.4



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

Ion 58.00 (57.70 to 58.70): VU034913.D (-359) (-)

2.31

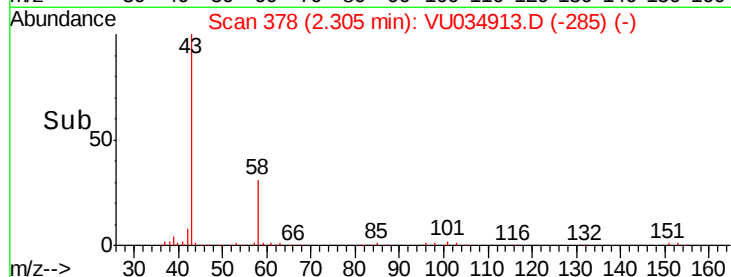
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100000

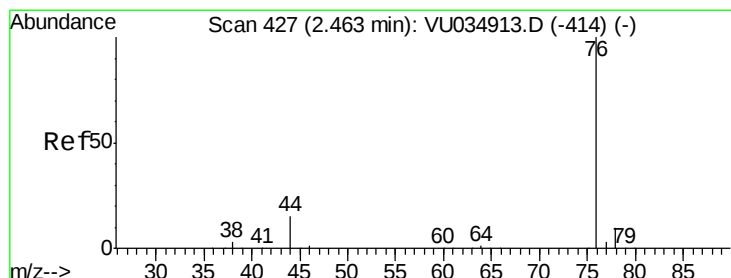
50000

0

Time-->



Time-->



#14

Carbon disulfide

Concen: 47.253 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034913.D

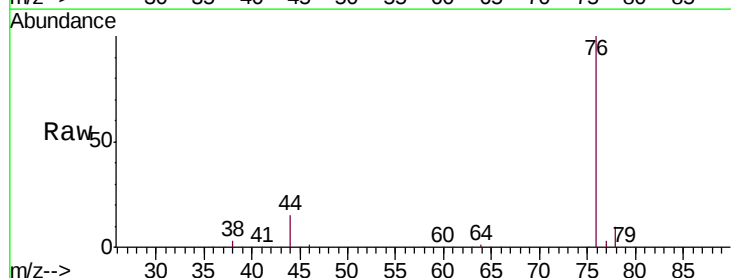
Acq: 03 Oct 2019 12:22

Tgt Ion: 76 Resp: 407670

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5



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

Ion 78.00 (77.70 to 78.70): VU034913.D (-414) (-)

2.46

250000

200000

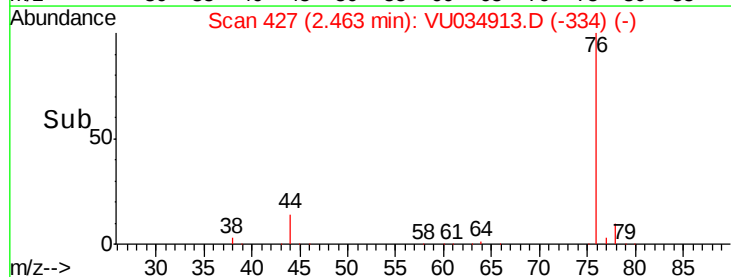
150000

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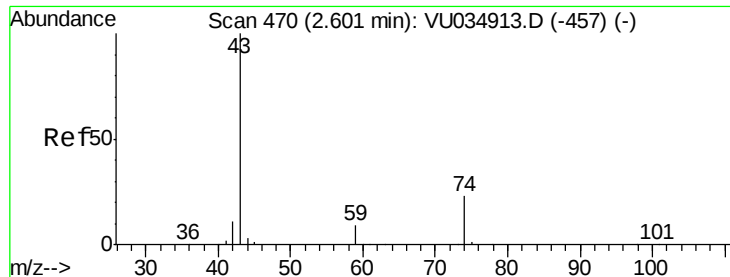
50000

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Time-->



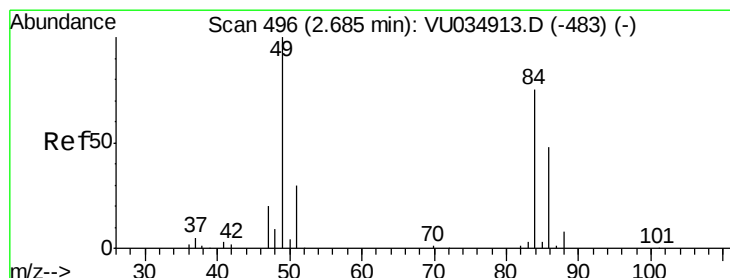
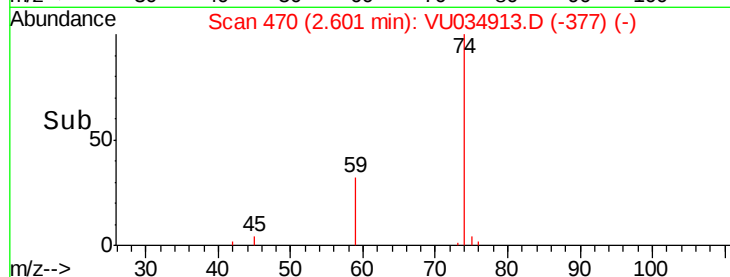
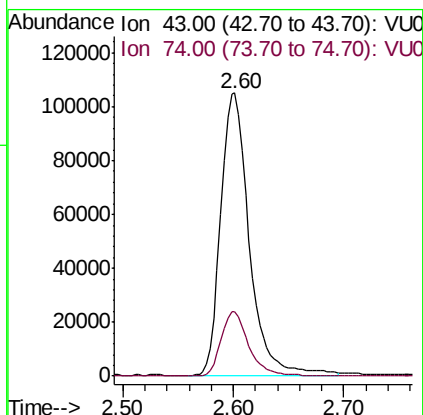
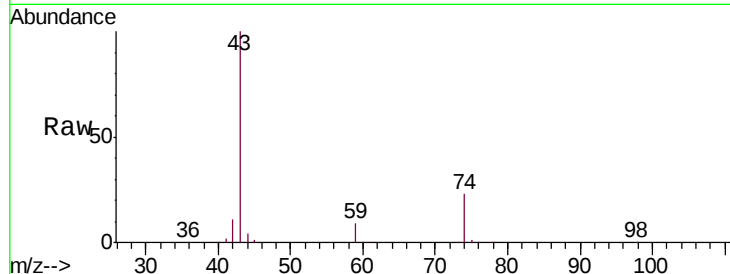
Time-->



#15
Methyl Acetate
Concen: 54.814 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034913.D
Acq: 03 Oct 2019 12:22

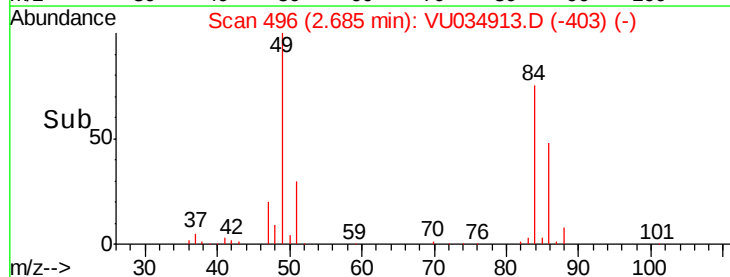
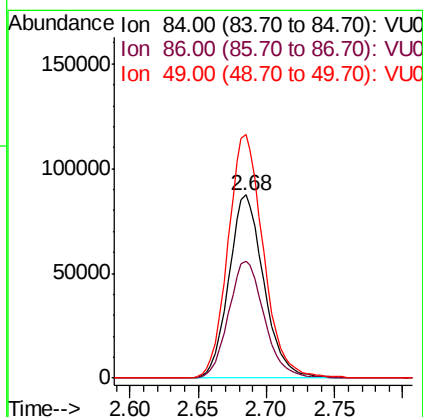
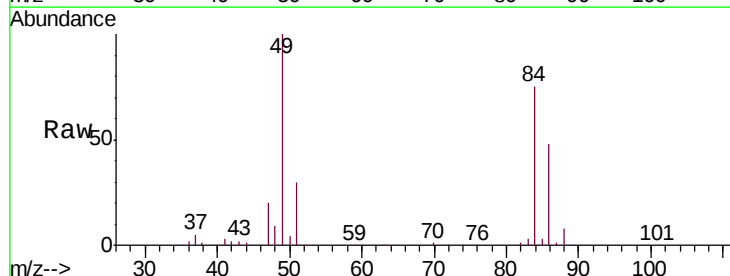
Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

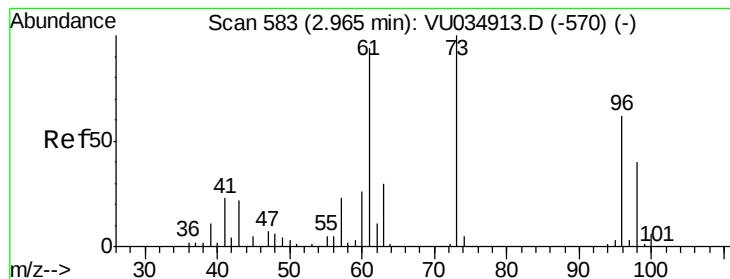
Tgt Ion: 43 Resp: 188499
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.6



#16
Methylene chloride
Concen: 48.136 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034913.D
Acq: 03 Oct 2019 12:22

Tgt Ion: 84 Resp: 155819
Ion Ratio Lower Upper
84 100
86 64.2 44.9 83.5
49 133.2 93.2 173.2





#17

trans-1,2-Dichloroethene

Concen: 47.799 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

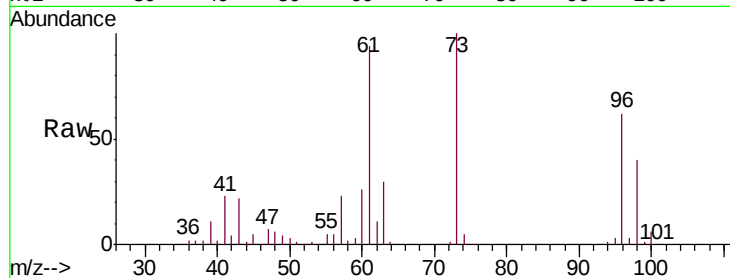
Tgt Ion: 96 Resp: 139690

Ion Ratio Lower Upper

96 100

61 152.8 107.0 198.6

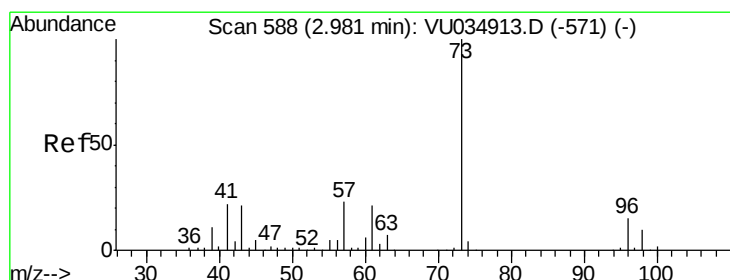
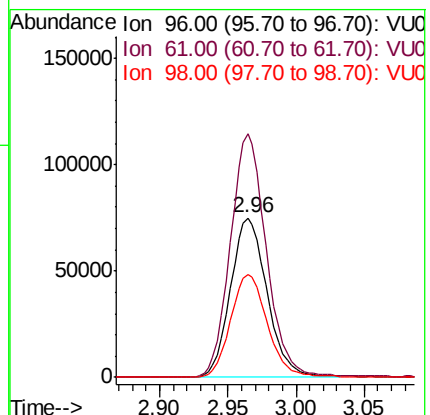
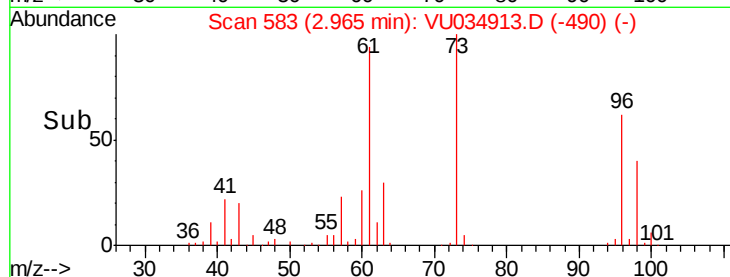
98 64.4 45.1 83.7



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: 51.399 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

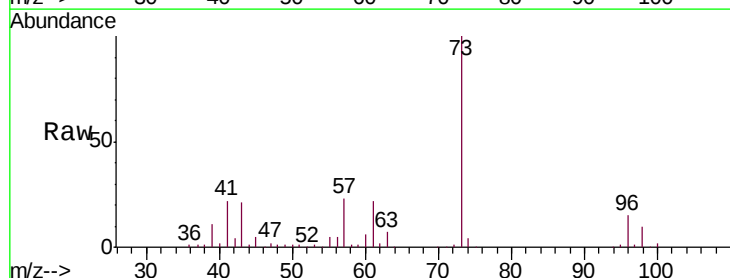
Tgt Ion: 73 Resp: 470485

Ion Ratio Lower Upper

73 100

43 21.0 16.8 25.2

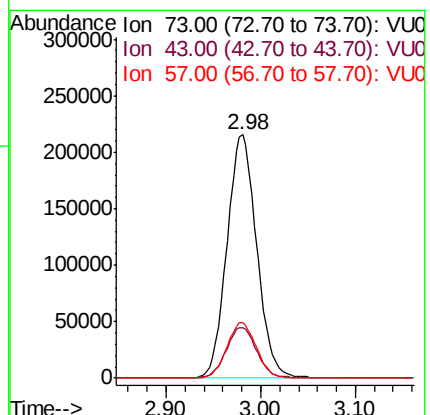
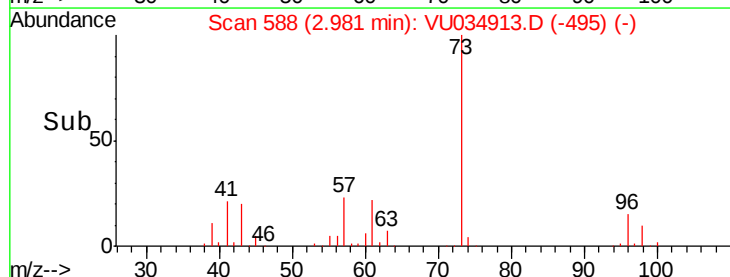
57 22.7 18.2 27.2

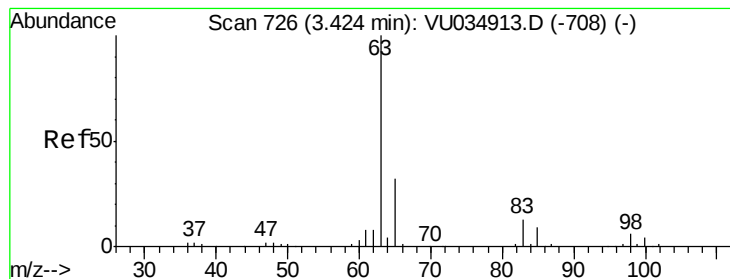


Abundance Ion 73.00 (72.70 to 73.70): VU034913.D (-571) (-)

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: 49.561 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

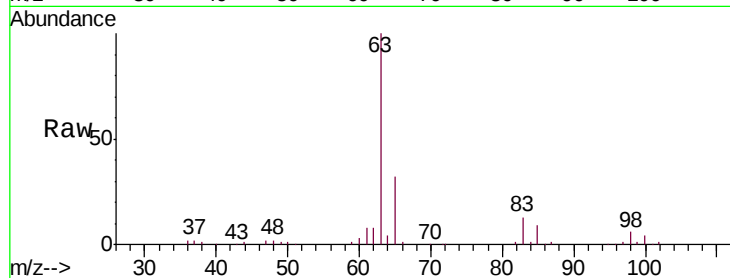
Tgt Ion: 63 Resp: 280935

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

83 13.2 9.2 17.2

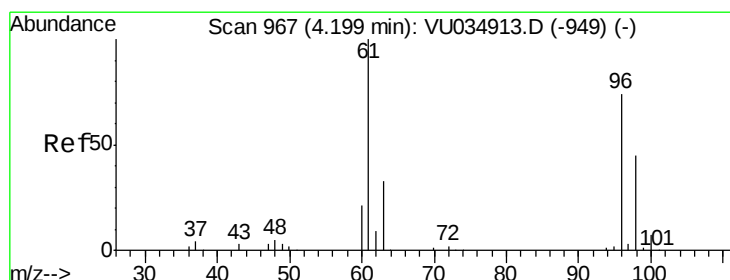
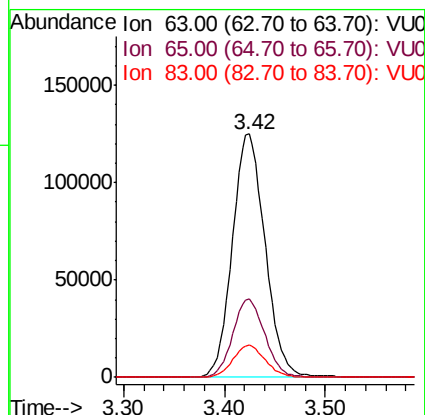
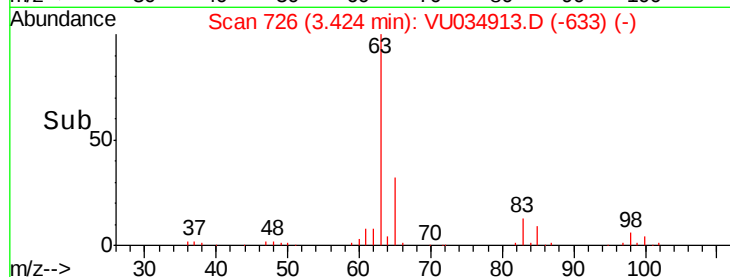


Abundance Ion 63.00 (62.70 to 63.70): VU034913.D (-708) (-)

Ion 65.00 (64.70 to 65.70): VU034913.D (-708) (-)

Ion 83.00 (82.70 to 83.70): VU034913.D (-708) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 47.988 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

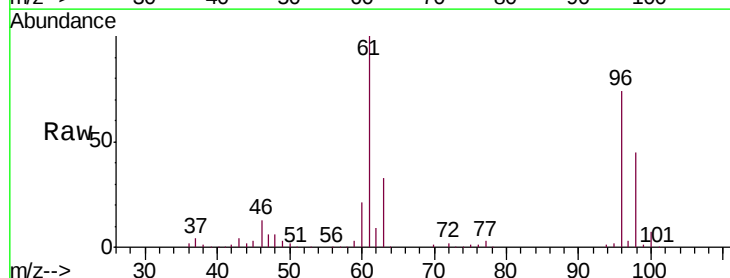
Tgt Ion: 96 Resp: 158121

Ion Ratio Lower Upper

96 100

61 136.0 95.2 176.8

68 0.0 0.0 0.0

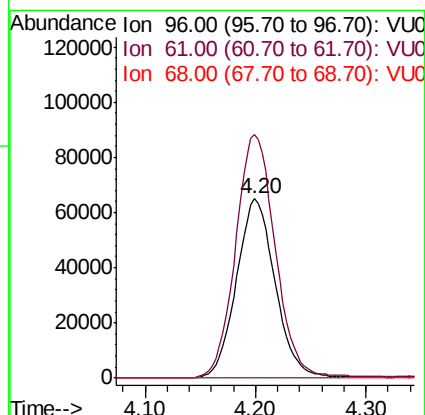
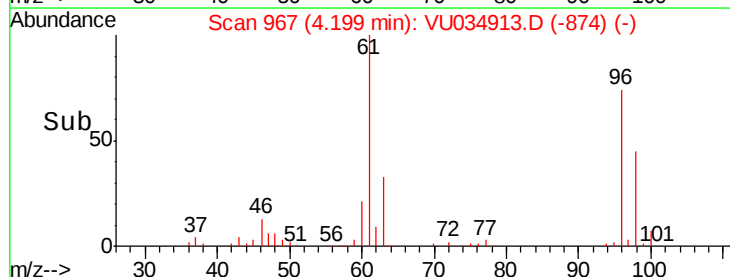


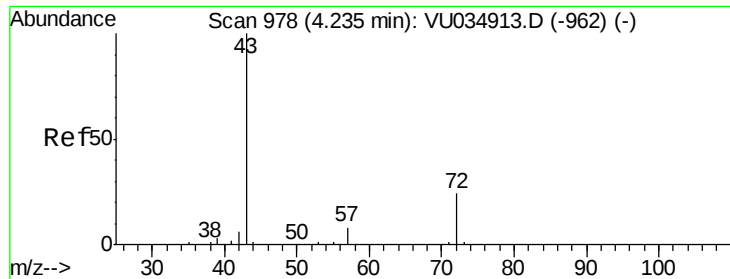
Abundance Ion 96.00 (95.70 to 96.70): VU034913.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU034913.D (-949) (-)

Ion 68.00 (67.70 to 68.70): VU034913.D (-949) (-)

Time-->





#22

2-Butanone

Concen: 104.394 ug/L

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

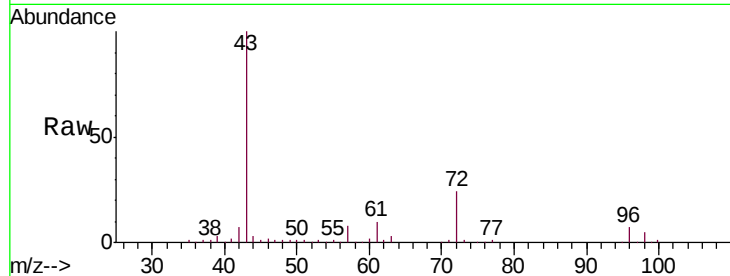
VSTD05035

Tgt Ion: 43 Resp: 301418

Ion Ratio Lower Upper

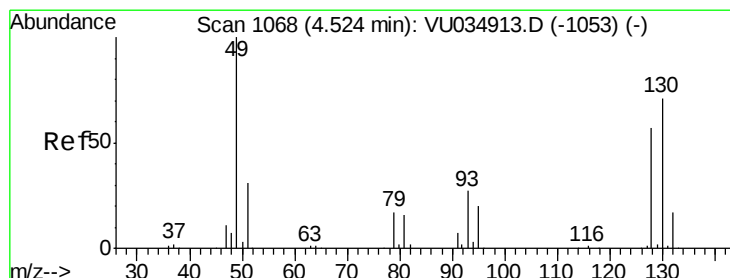
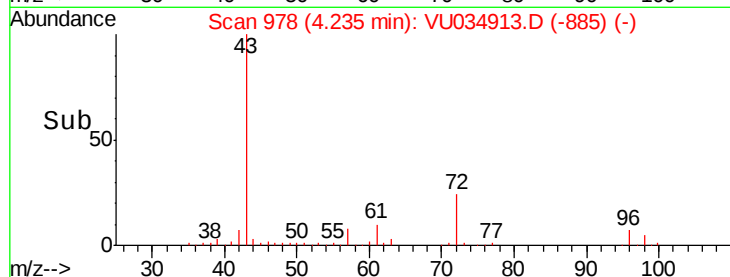
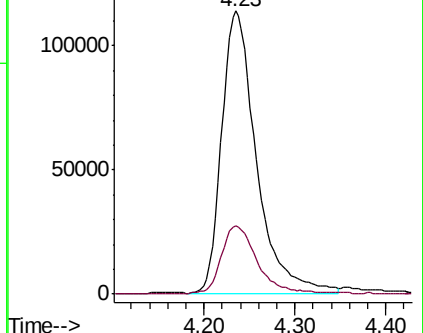
43 100

72 24.6 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU034913.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034913.D (-962) (-)



#23

Bromochloromethane

Concen: 47.215 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Tgt Ion: 128 Resp: 79394

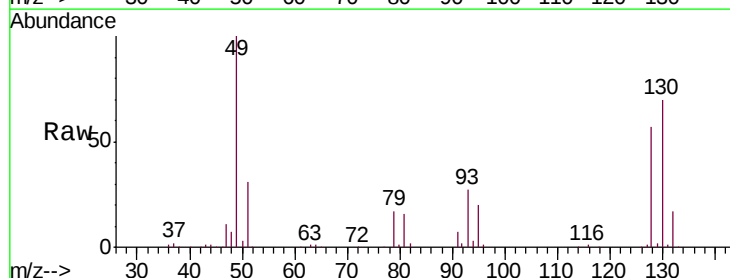
Ion Ratio Lower Upper

128 100

49 176.4 123.5 229.3

130 124.3 87.0 161.6

51 54.6 43.7 65.5

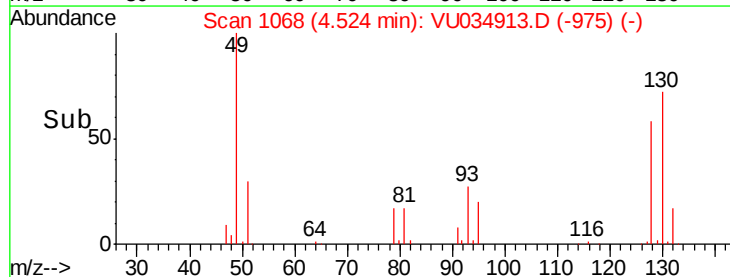
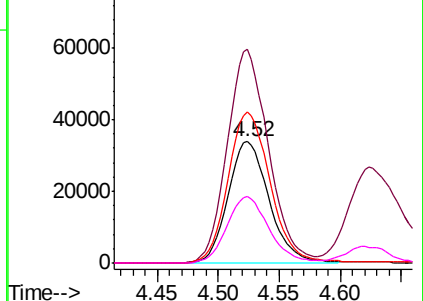


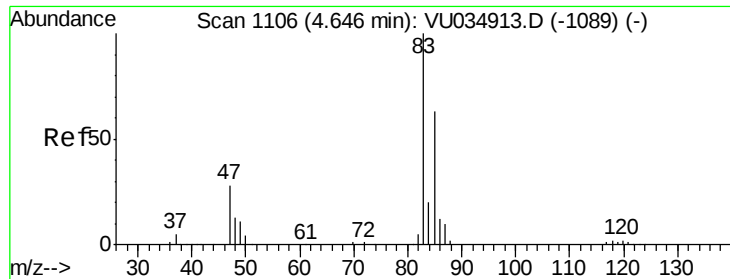
Abundance Ion 128.00 (127.70 to 128.70): VU034913.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU034913.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU034913.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU034913.D (-1053) (-)





#25

Chloroform

Concen: 47.765 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

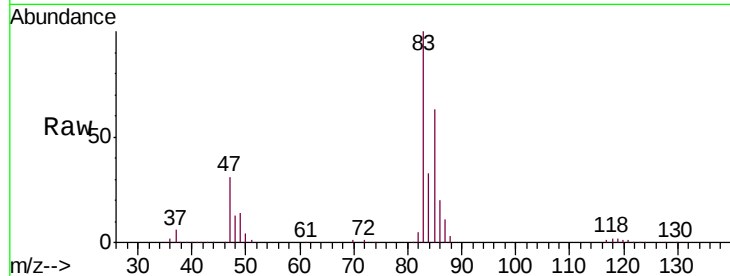
VSTD05035

Tgt Ion: 83 Resp: 286147

Ion Ratio Lower Upper

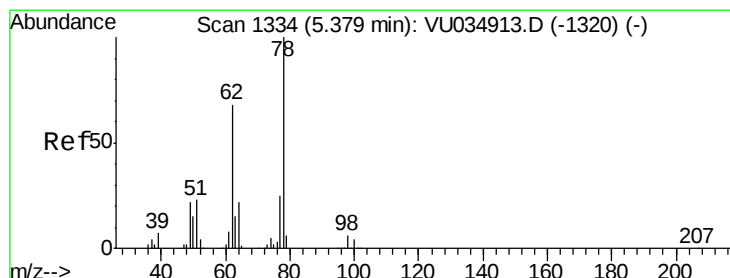
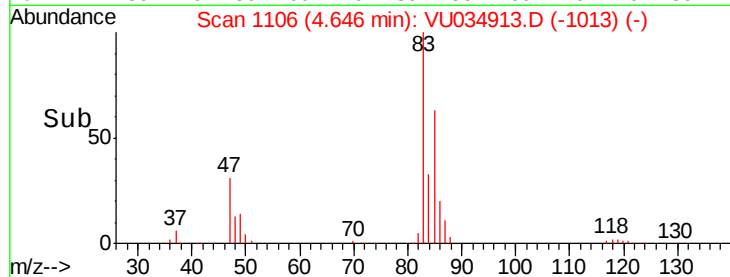
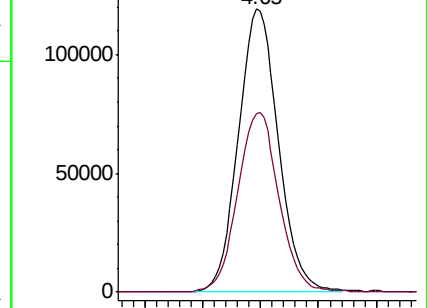
83 100

85 63.2 44.2 82.2



Abundance Ion 83.00 (82.70 to 83.70): VU034913.D (-1089) (-)

Ion 85.00 (84.70 to 85.70): VU034913.D (-1089) (-)



#27

1,2-Dichloroethane

Concen: 49.872 ug/L

RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VU034913.D

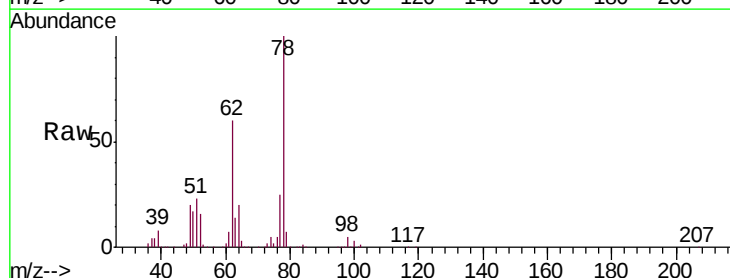
Acq: 03 Oct 2019 12:22

Tgt Ion: 62 Resp: 232290

Ion Ratio Lower Upper

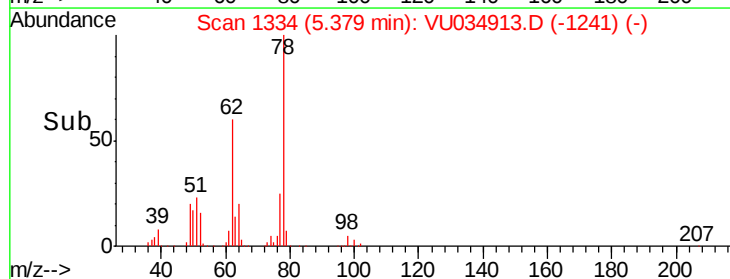
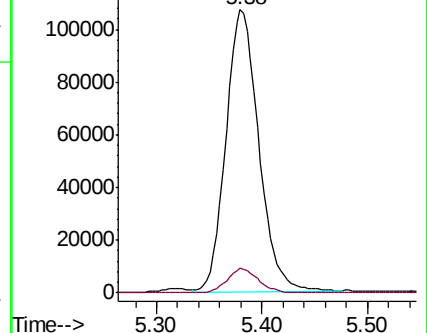
62 100

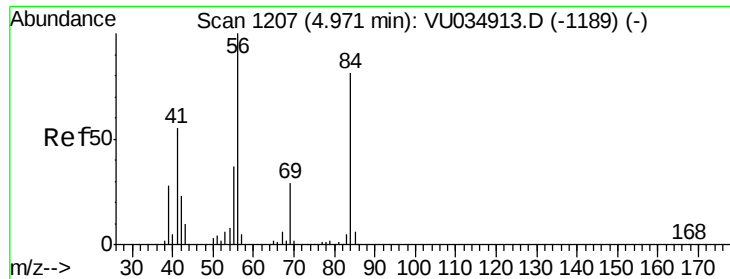
98 8.6 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VU034913.D (-1320) (-)

Ion 98.00 (97.70 to 98.70): VU034913.D (-1320) (-)

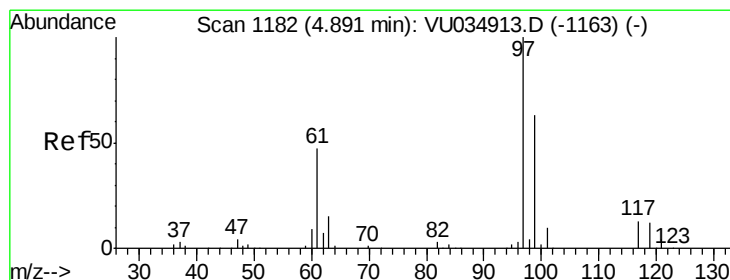
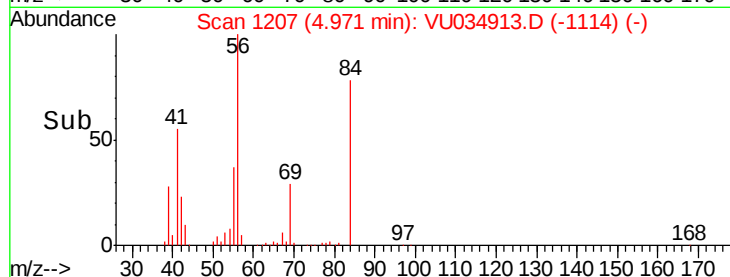
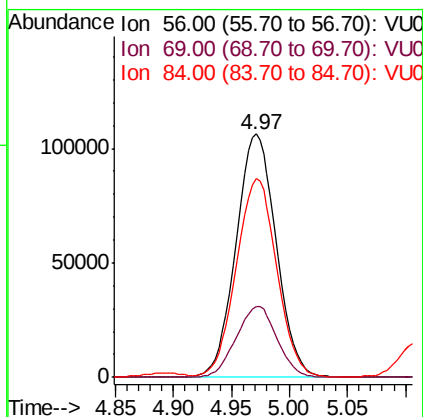
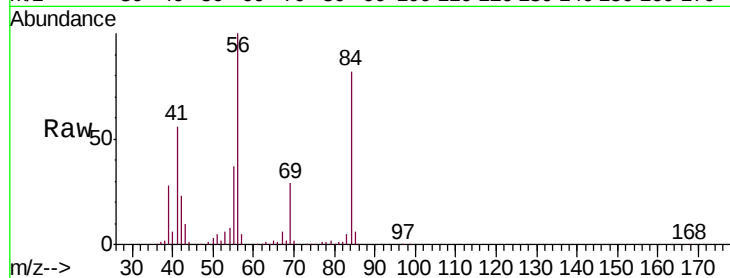




#29
Cyclohexane
Concen: 55.239 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034913.D
Acq: 03 Oct 2019 12:22

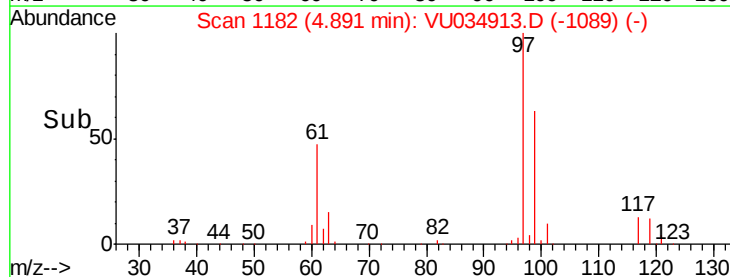
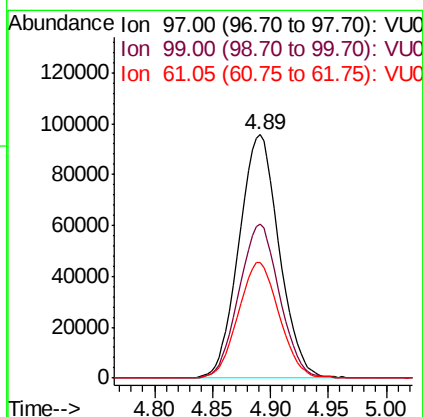
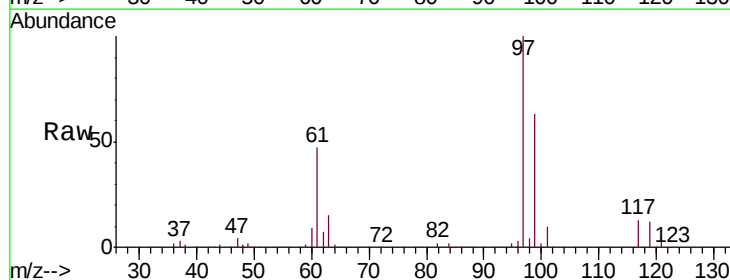
Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

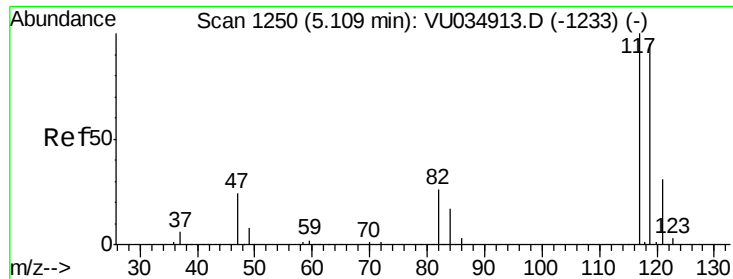
Tgt Ion: 56 Resp: 255769
Ion Ratio Lower Upper
56 100
69 29.7 23.8 35.6
84 81.8 65.4 98.2



#30
1,1,1-Trichloroethane
Concen: 47.878 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034913.D
Acq: 03 Oct 2019 12:22

Tgt Ion: 97 Resp: 230803
Ion Ratio Lower Upper
97 100
99 63.9 51.1 76.7
61 48.4 38.7 58.1





#31

Carbon tetrachloride

Concen: 47.742 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

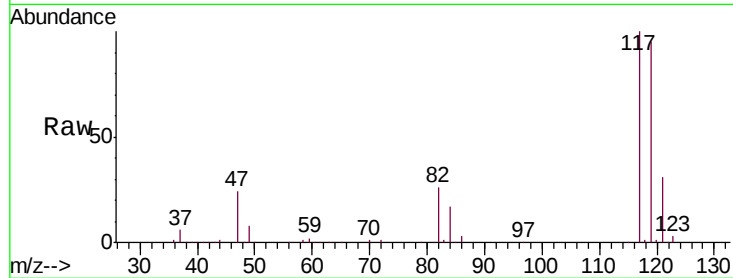
VSTD05035

Tgt Ion:117 Resp: 200759

Ion Ratio Lower Upper

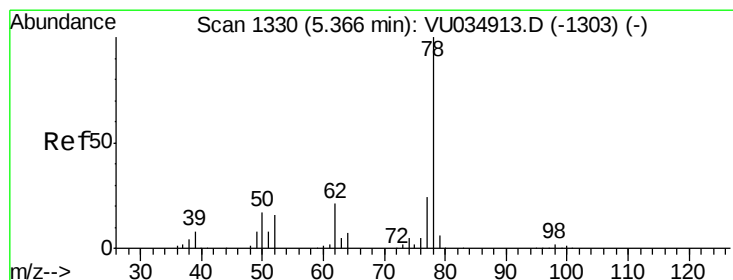
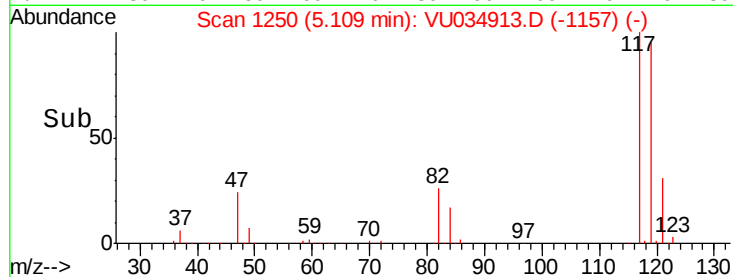
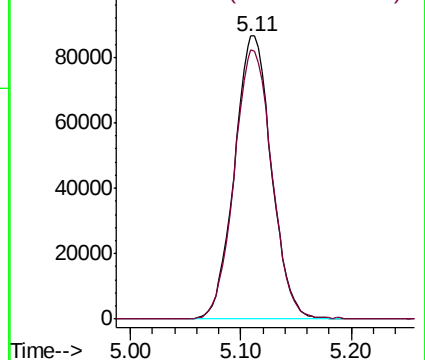
117 100

119 96.9 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: 51.727 ug/L

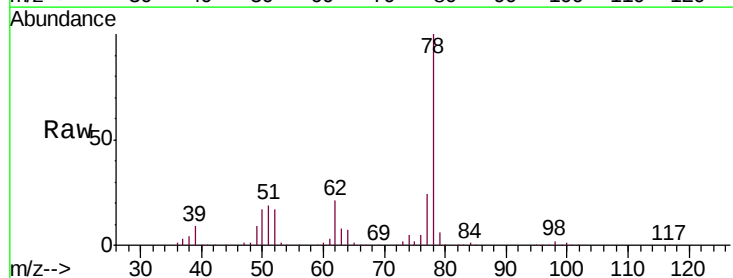
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

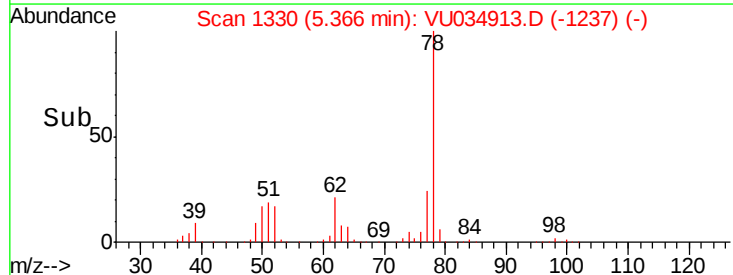
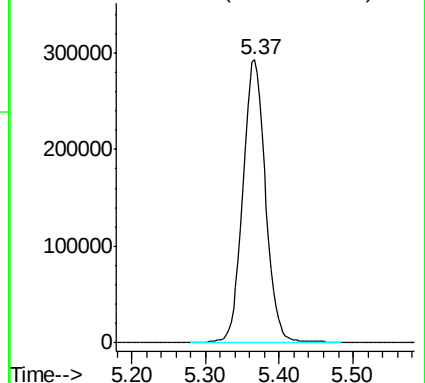
Lab File: VU034913.D

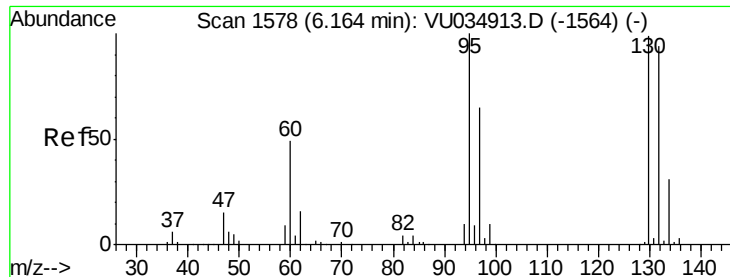
Acq: 03 Oct 2019 12:22

Tgt Ion: 78 Resp: 631390



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.442 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

Tgt Ion: 95 Resp: 156971

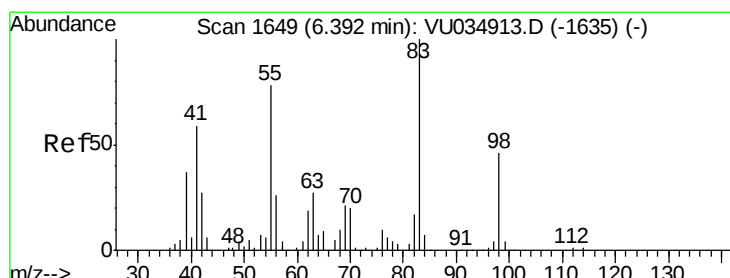
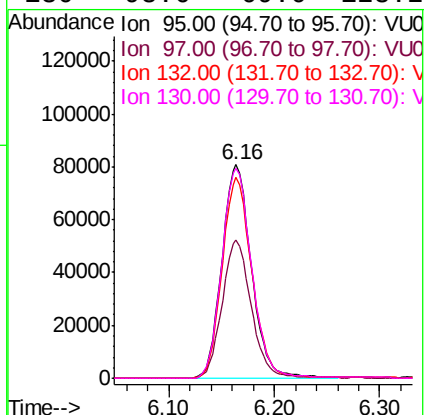
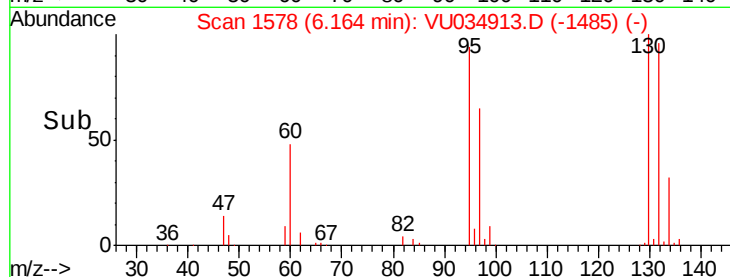
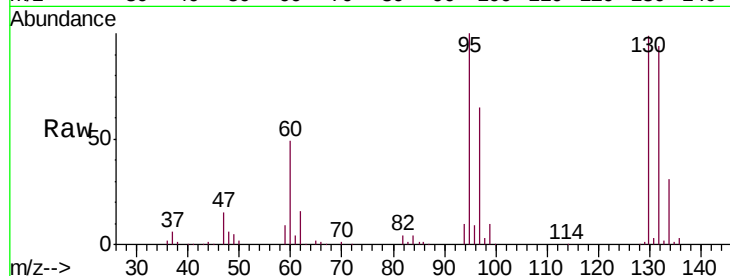
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 94.2 65.9 122.5

130 98.6 69.0 128.2



#35

Methylcyclohexane

Concen: 51.685 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

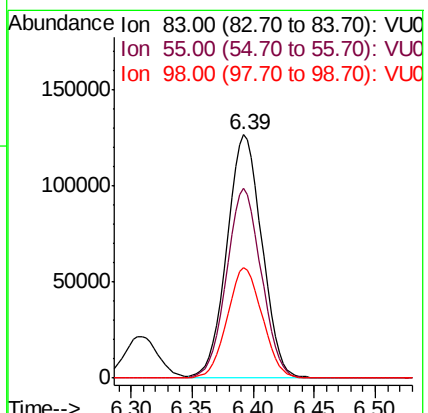
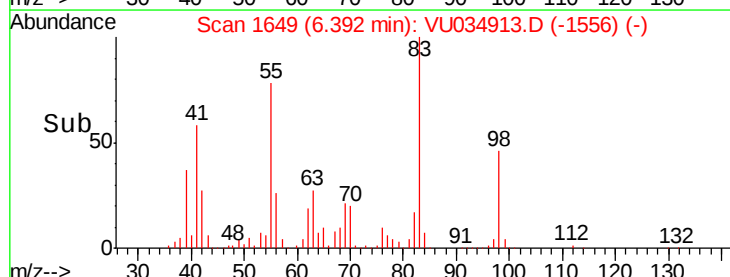
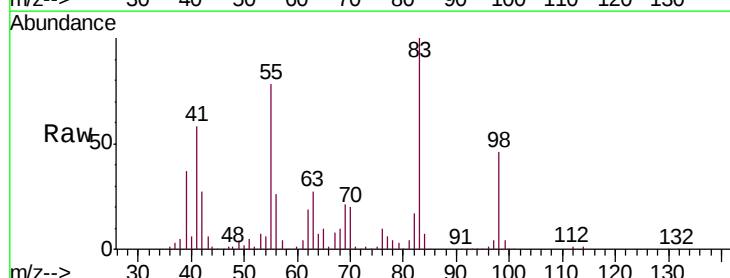
Tgt Ion: 83 Resp: 252503

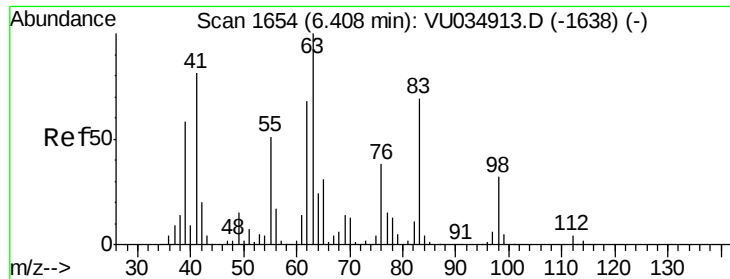
Ion Ratio Lower Upper

83 100

55 77.6 62.1 93.1

98 45.5 36.4 54.6

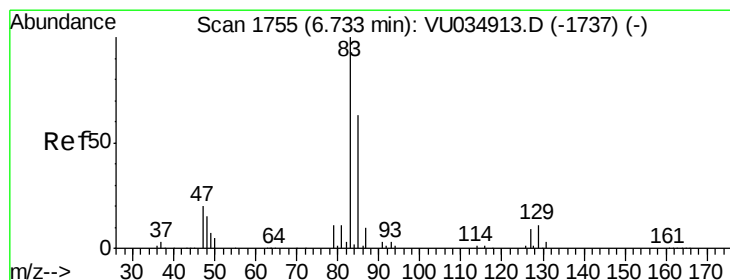
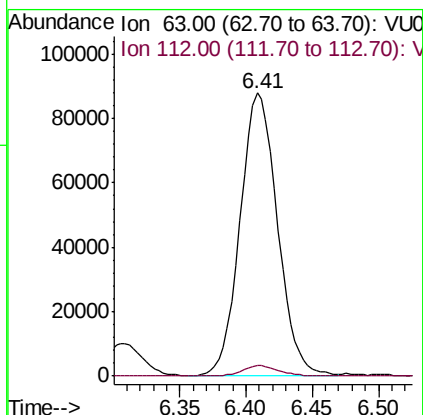
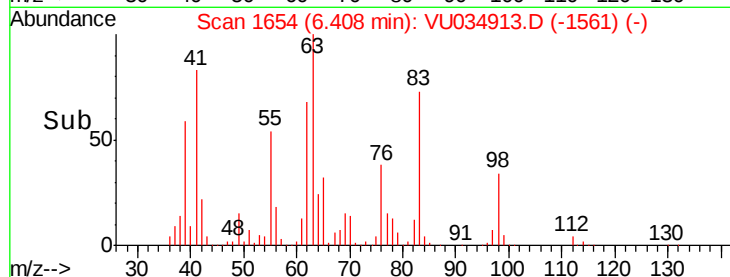
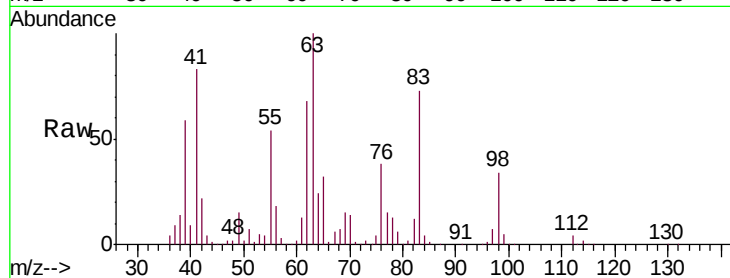




#37
 1,2-Dichloropropane
 Concen: 51.794 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU034913.D
 Acq: 03 Oct 2019 12:22

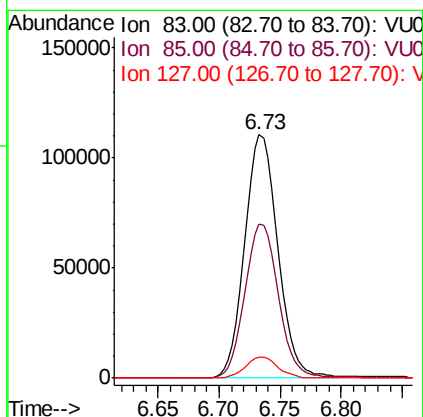
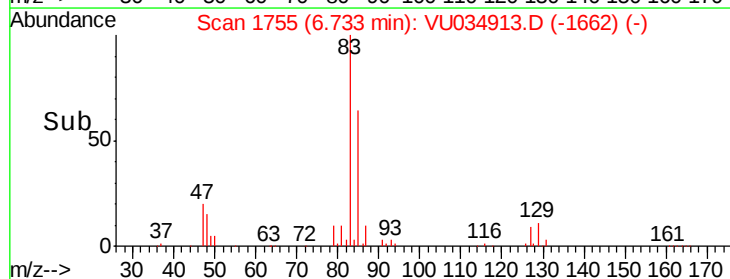
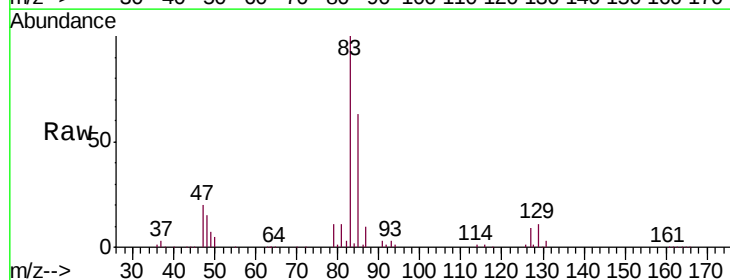
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

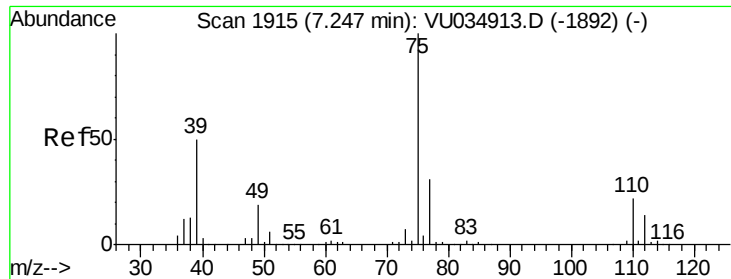
Tgt Ion: 63 Resp: 171949
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 49.190 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: VU034913.D
 Acq: 03 Oct 2019 12:22

Tgt Ion: 83 Resp: 207459
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.3 82.3
 127 8.7 7.0 10.4

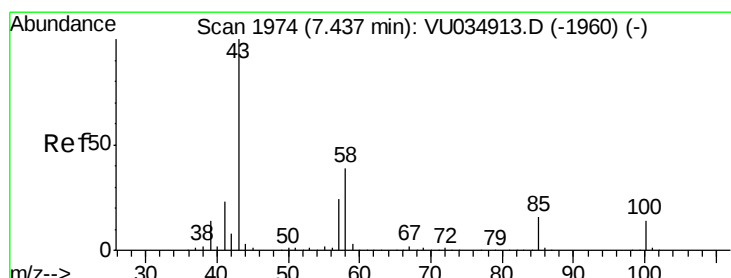
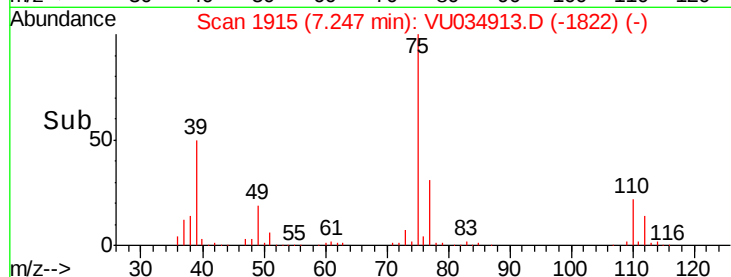
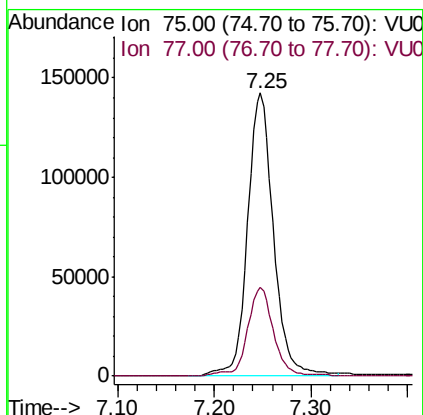
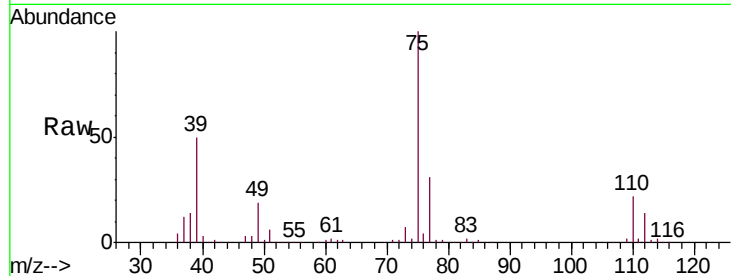




#39
 cis-1,3-Dichloropropene
 Concen: 51.839 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034913.D
 Acq: 03 Oct 2019 12:22

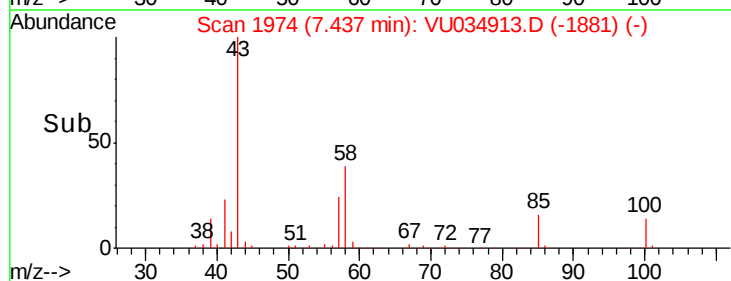
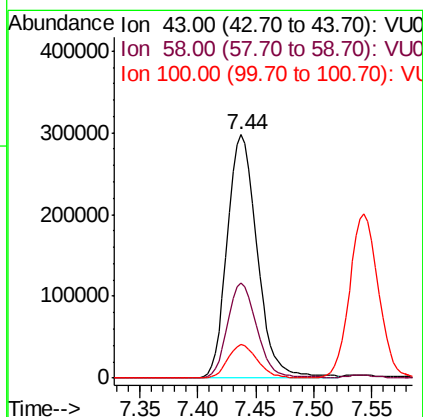
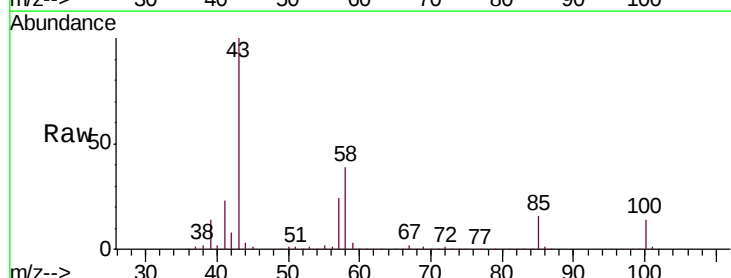
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

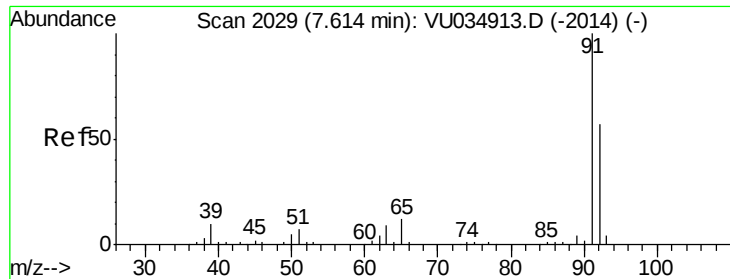
Tgt Ion: 75 Resp: 265871
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 116.049 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VU034913.D
 Acq: 03 Oct 2019 12:22

Tgt Ion: 43 Resp: 533361
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.7 46.1
 100 13.6 10.9 16.3





#42

Toluene

Concen: 51.300 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

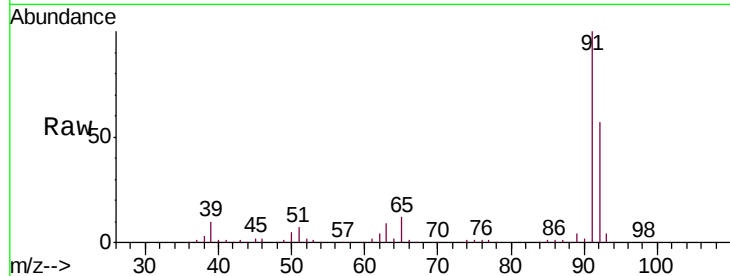
VSTD05035

Tgt Ion: 91 Resp: 671615

Ion Ratio Lower Upper

91 100

92 57.0 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) (-)

7.61

400000

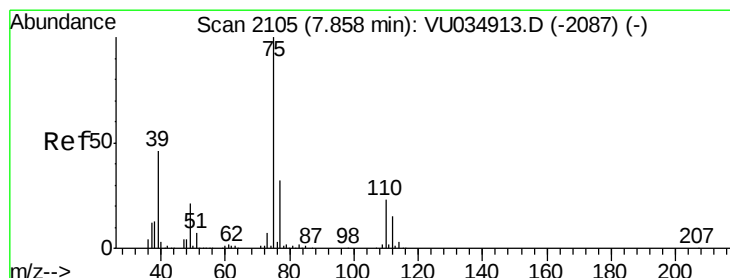
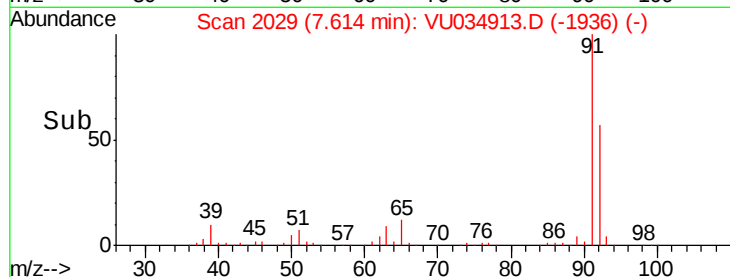
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.873 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU034913.D

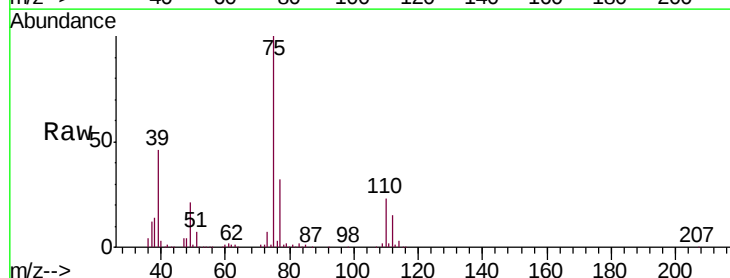
Acq: 03 Oct 2019 12:22

Tgt Ion: 75 Resp: 236480

Ion Ratio Lower Upper

75 100

77 31.7 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) (-)

7.86

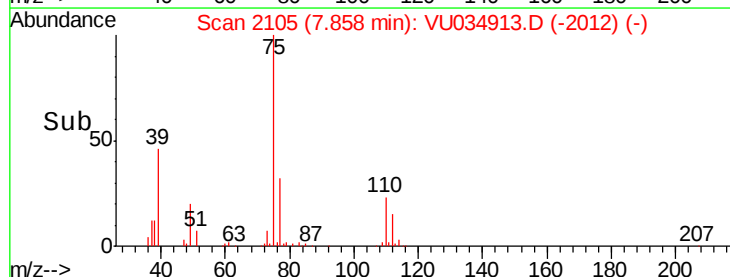
150000

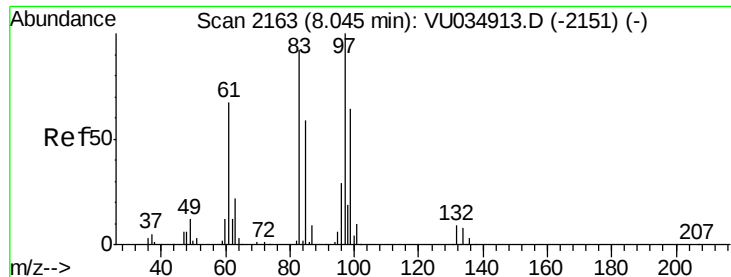
100000

50000

0

Time-->

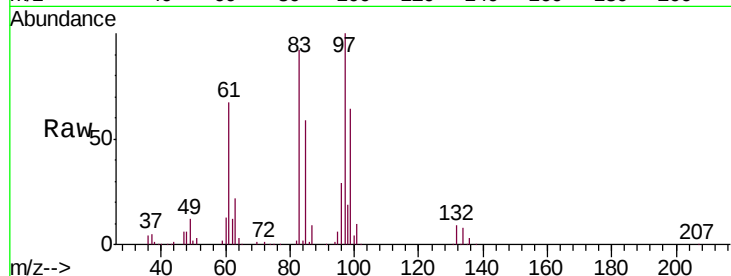




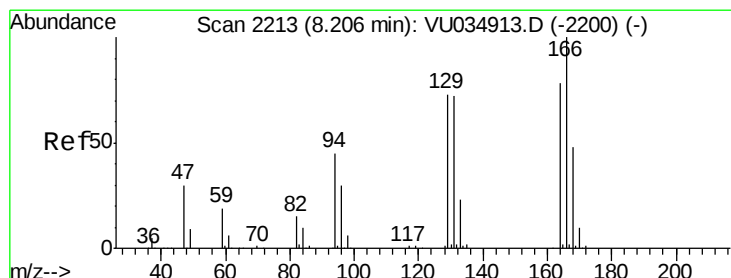
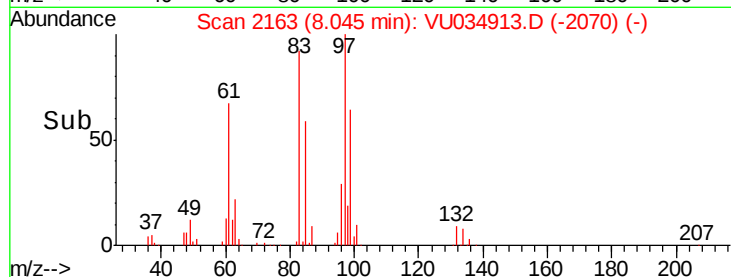
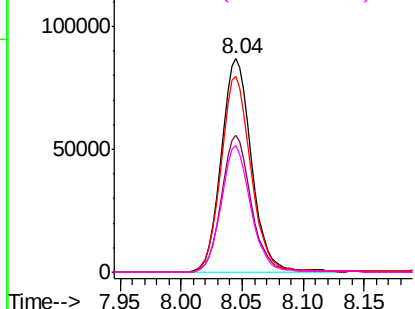
#45
 1,1,2-Trichloroethane
 Concen: 49.122 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU034913.D
 Acq: 03 Oct 2019 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

Tgt Ion:	97	Resp:	152137
Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.8	83.2
83	92.0	64.4	119.6
85	59.1	41.4	76.8

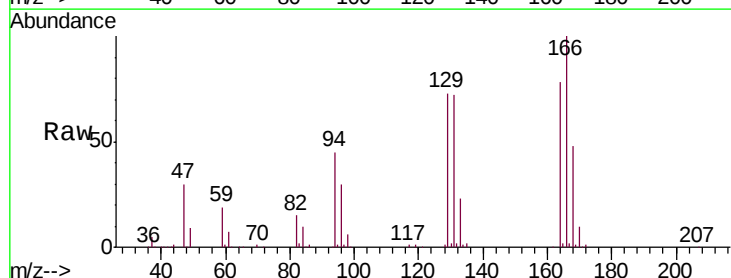


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

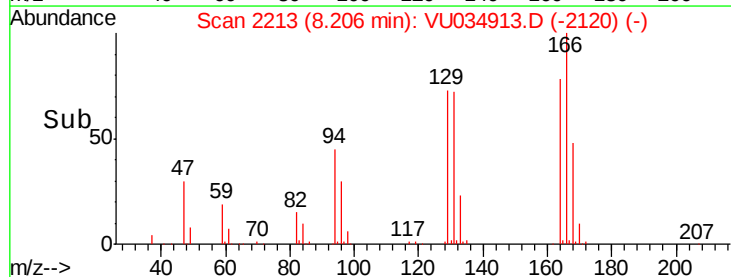
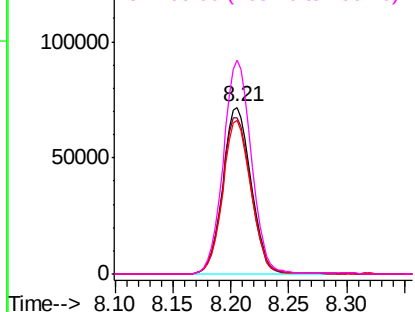


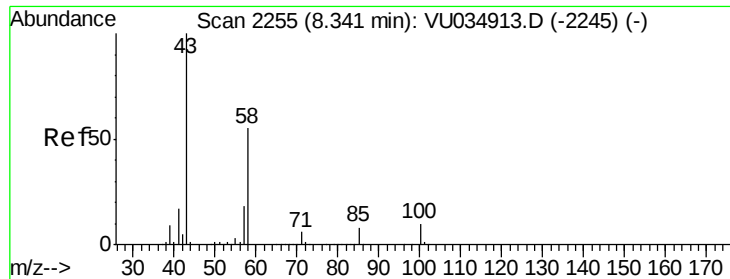
#46
 Tetrachloroethene
 Concen: 49.853 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU034913.D
 Acq: 03 Oct 2019 12:22

Tgt Ion:	164	Resp:	122542
Ion	Ratio	Lower	Upper
164	100		
129	94.1	65.9	122.3
131	92.7	64.9	120.5
166	128.4	89.9	166.9



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

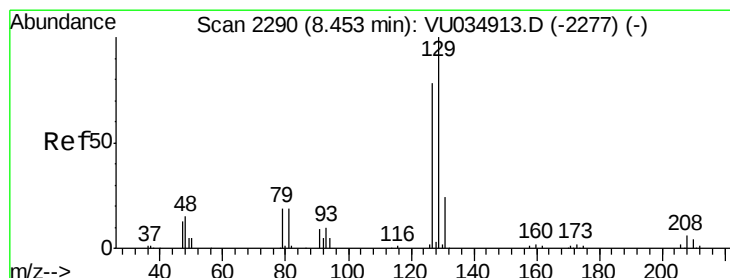
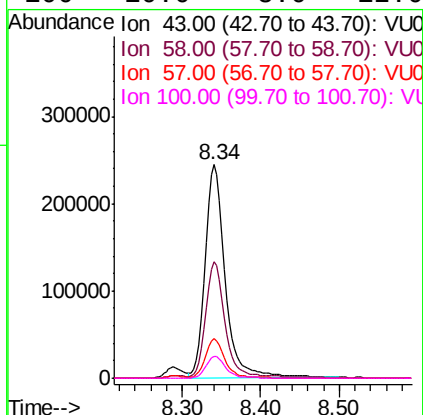
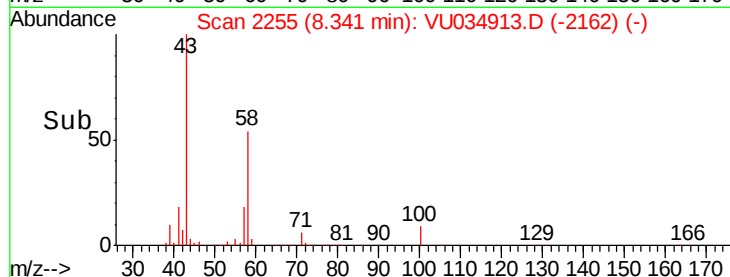
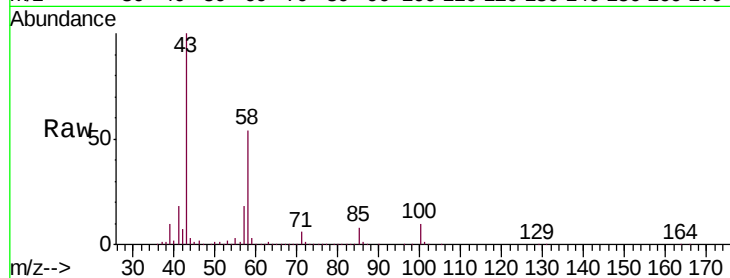




#48
2-Hexanone
Concen: 115.455 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VU034913.D
Acq: 03 Oct 2019 12:22

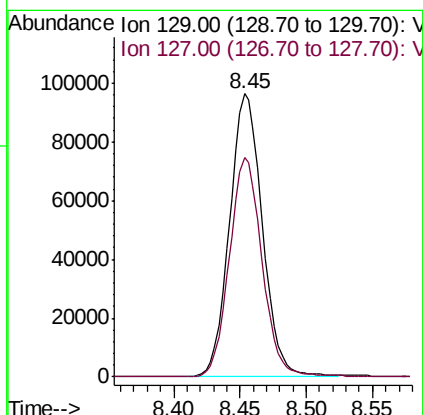
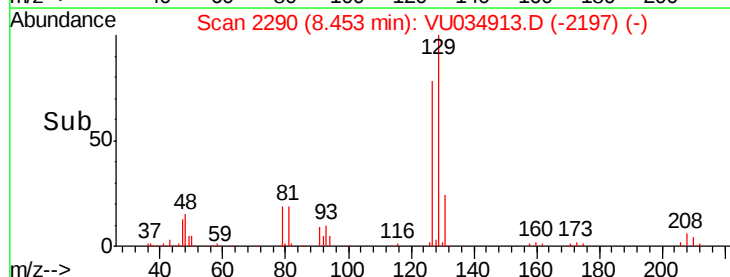
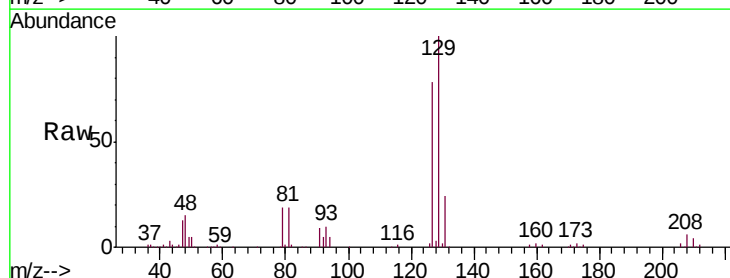
Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

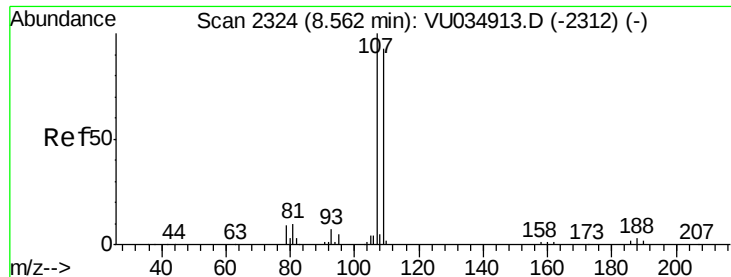
Tgt Ion:	43	Resp:	430168
Ion	Ratio	Lower	Upper
43	100		
58	51.0	40.8	61.2
57	17.5	14.0	21.0
100	10.0	8.0	12.0



#49
Dibromochloromethane
Concen: 48.234 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VU034913.D
Acq: 03 Oct 2019 12:22

Tgt Ion:	129	Resp:	166059
Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.3	100.9

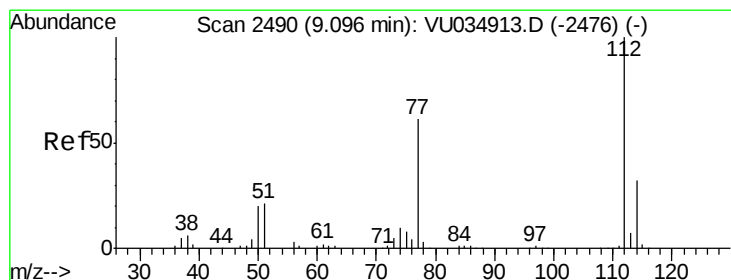
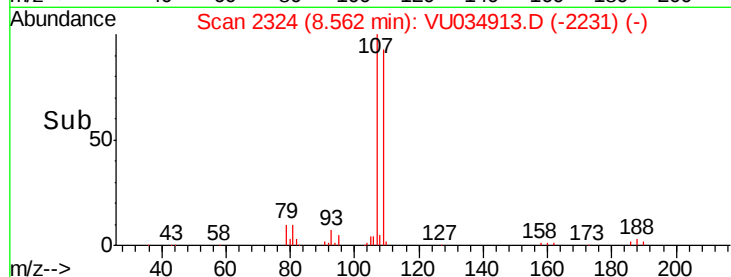
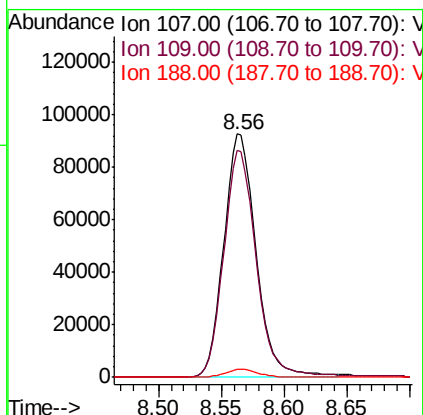
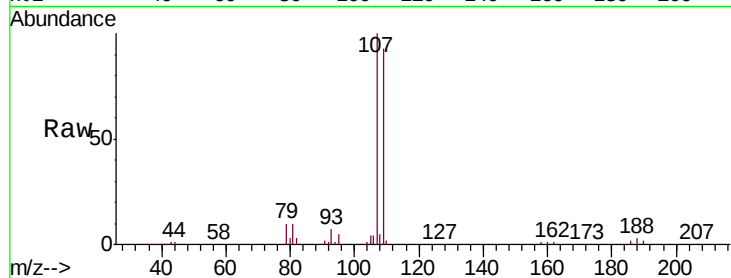




#50
1,2-Dibromoethane
Concen: 49.143 ug/L
RT: 8.56 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU034913.D
Acq: 03 Oct 2019 12:22

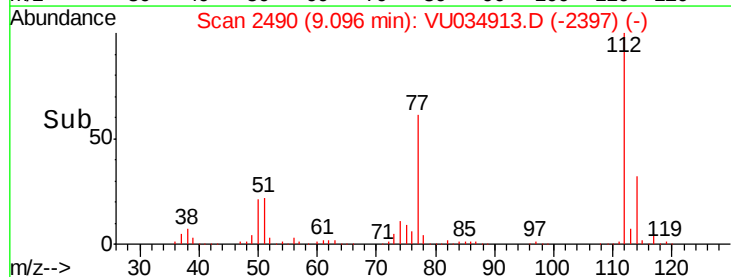
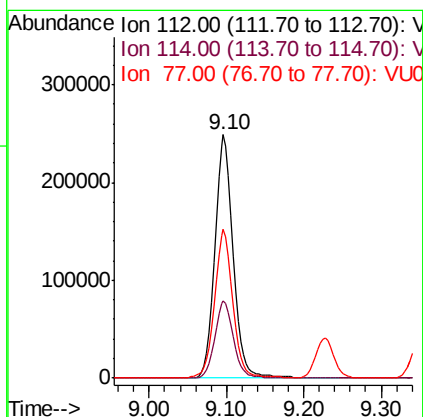
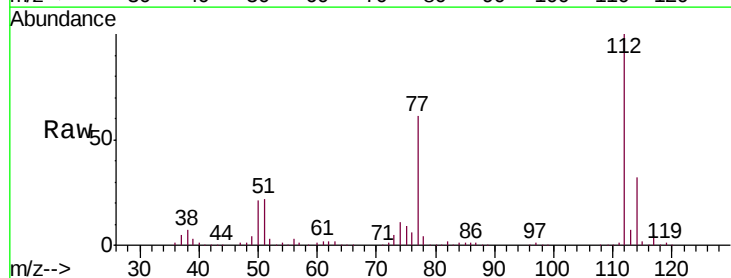
Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

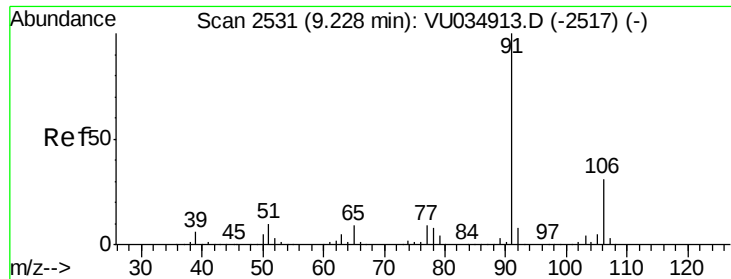
Tgt Ion:107 Resp: 165668
Ion Ratio Lower Upper
107 100
109 93.1 65.2 121.0
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 49.222 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034913.D
Acq: 03 Oct 2019 12:22

Tgt Ion:112 Resp: 418627
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.3
77 60.9 48.7 73.1

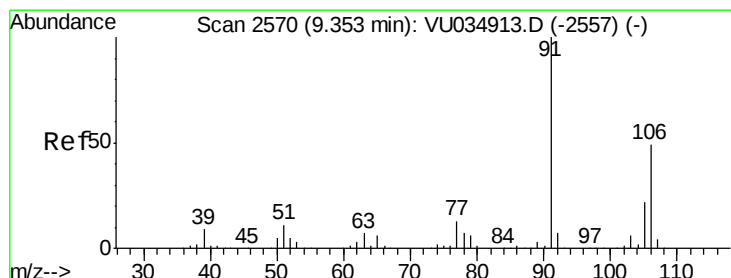
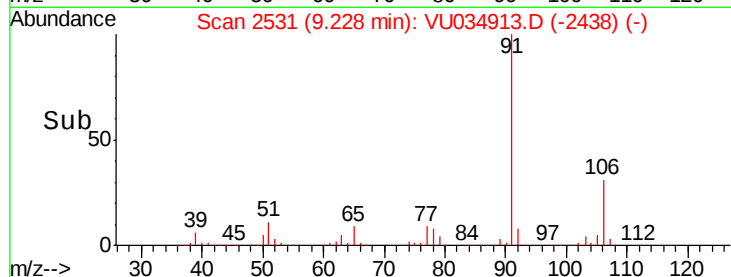
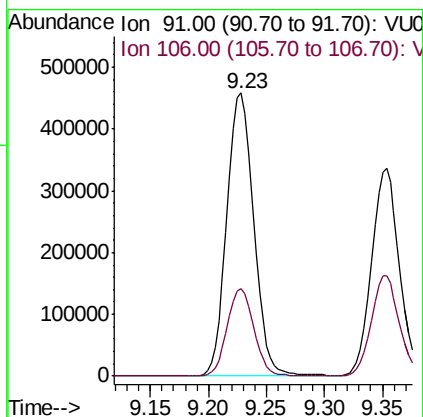
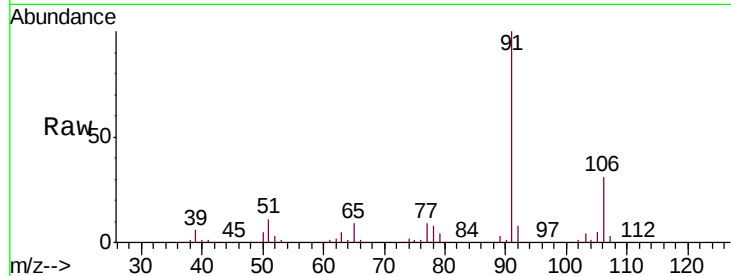




#52
Ethylbenzene
Concen: 52.477 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034913.D
Acq: 03 Oct 2019 12:22

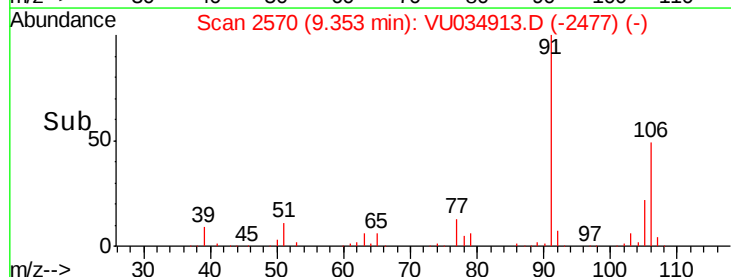
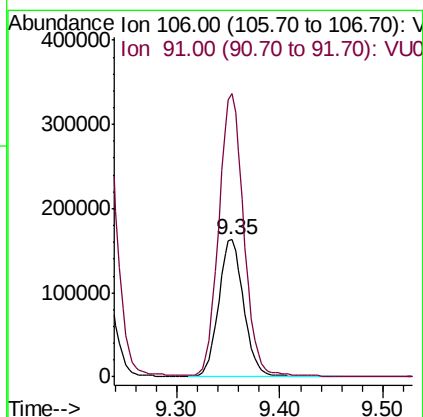
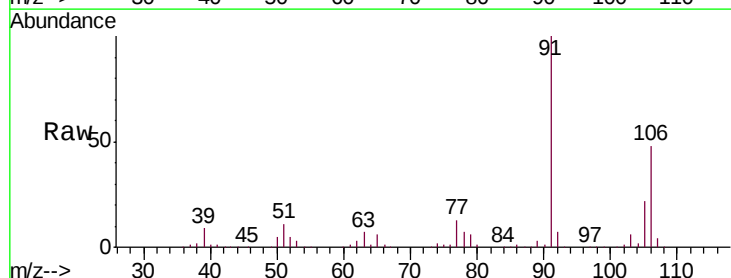
Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

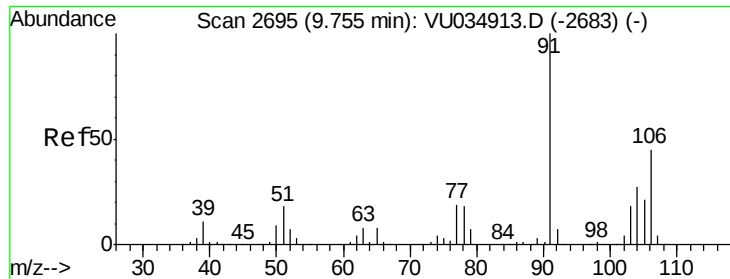
Tgt Ion: 91 Resp: 737659
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.2



#53
m,p-Xylene
Concen: 51.885 ug/L
RT: 9.35 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU034913.D
Acq: 03 Oct 2019 12:22

Tgt Ion: 106 Resp: 275095
Ion Ratio Lower Upper
106 100
91 206.4 144.5 268.3

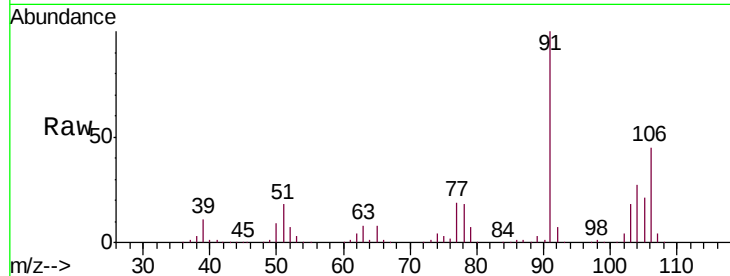




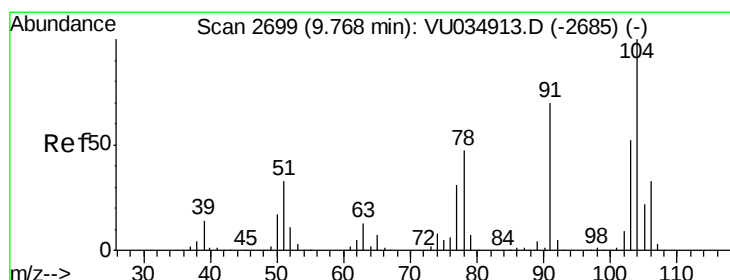
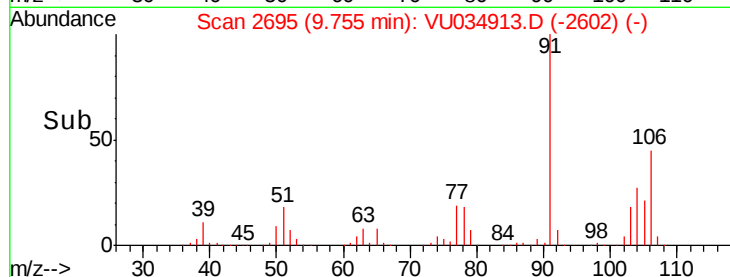
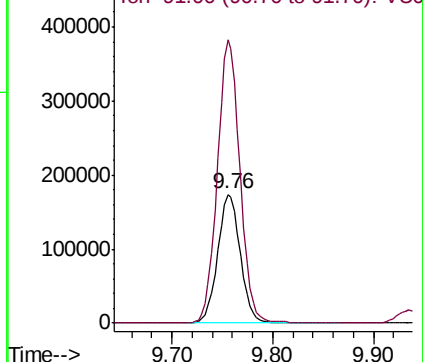
#54
o-xylene
Concen: 51.690 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034913.D
Acq: 03 Oct 2019 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

Tgt Ion:106 Resp: 271746
Ion Ratio Lower Upper
106 100
91 220.2 154.1 286.3

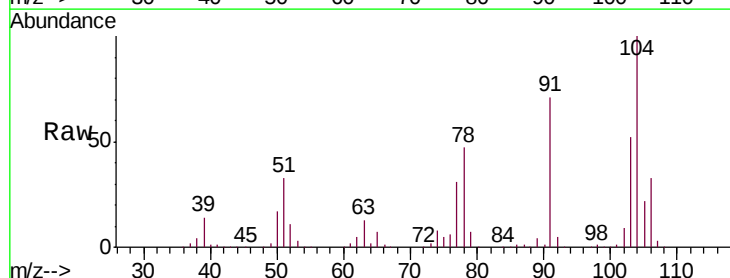


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

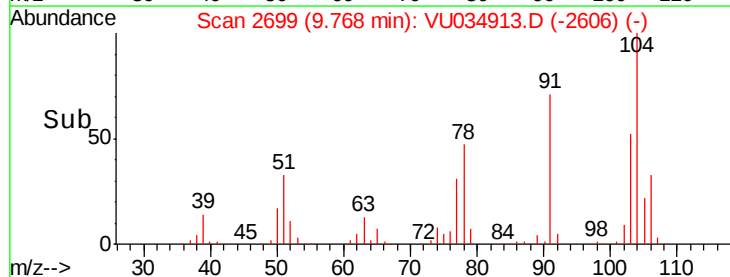
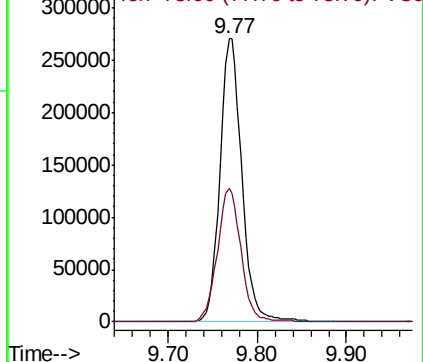


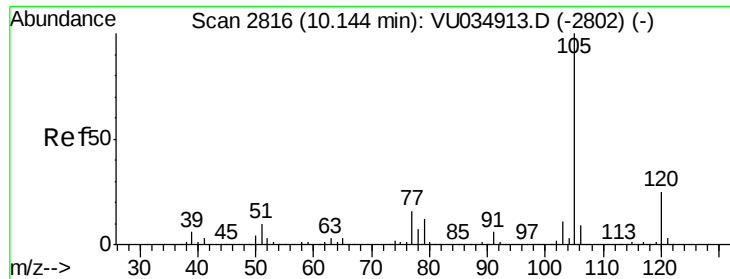
#55
Styrene
Concen: 51.782 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. 0.00 min
Lab File: VU034913.D
Acq: 03 Oct 2019 12:22

Tgt Ion:104 Resp: 459792
Ion Ratio Lower Upper
104 100
78 47.2 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: 52.268 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

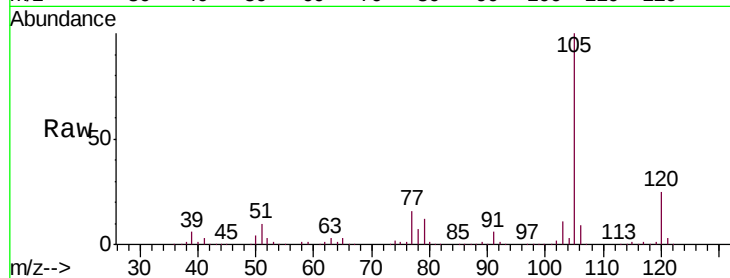
Tgt Ion: 105 Resp: 709244

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

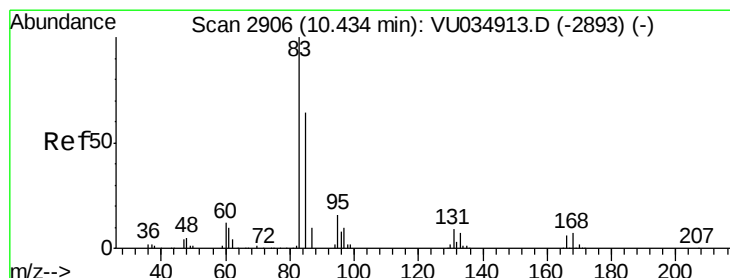
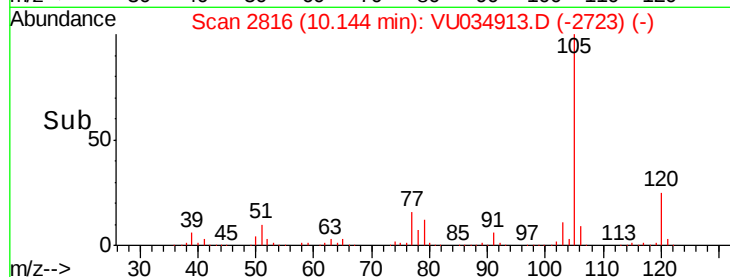
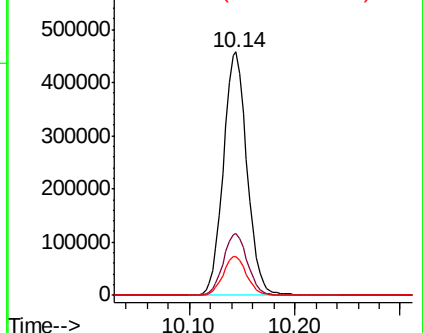
77 16.0 12.8 19.2



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: 50.264 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

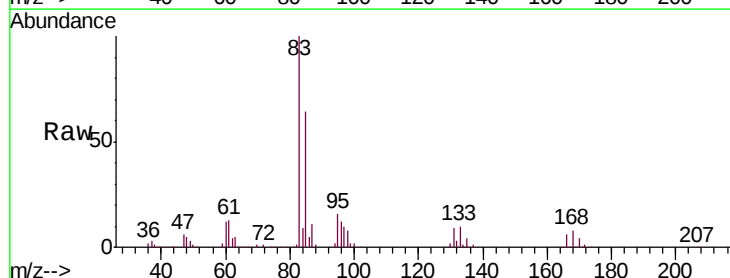
Tgt Ion: 83 Resp: 274853

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

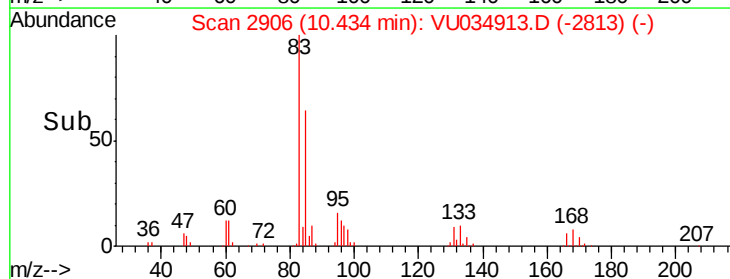
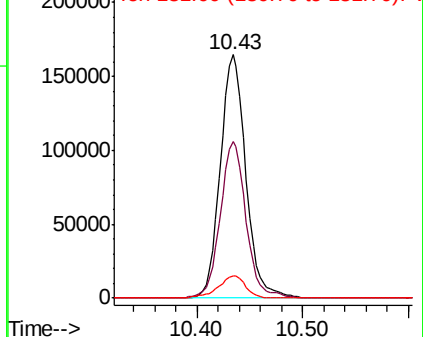
131 9.3 7.4 11.2

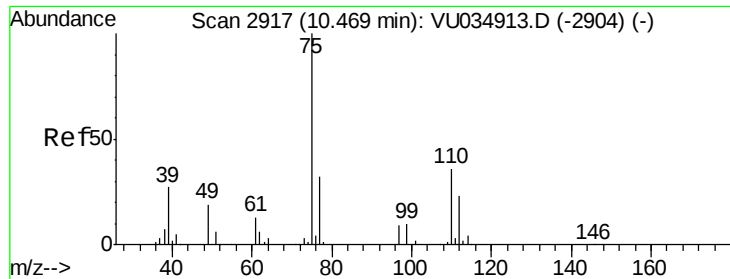


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.984 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

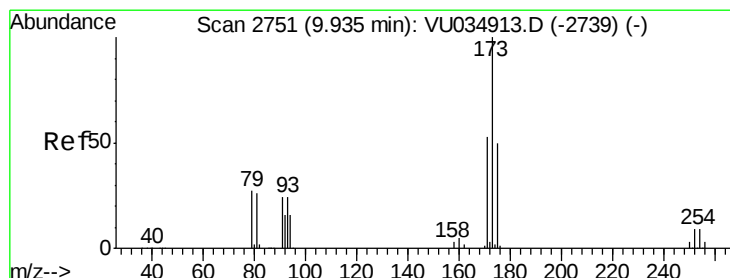
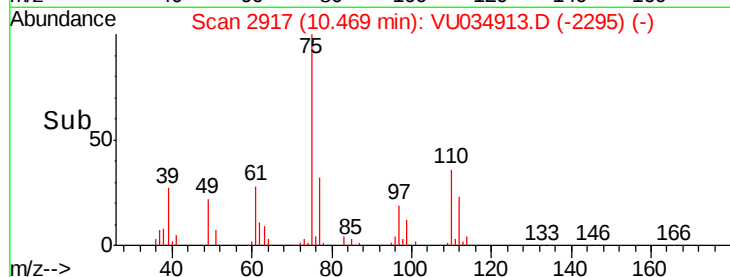
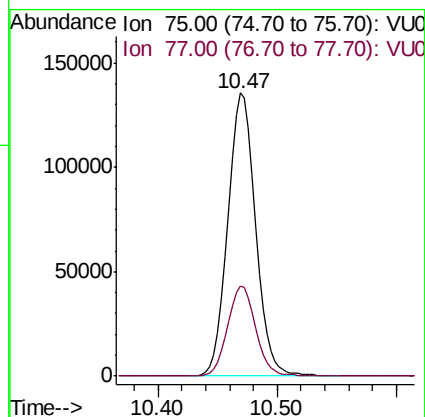
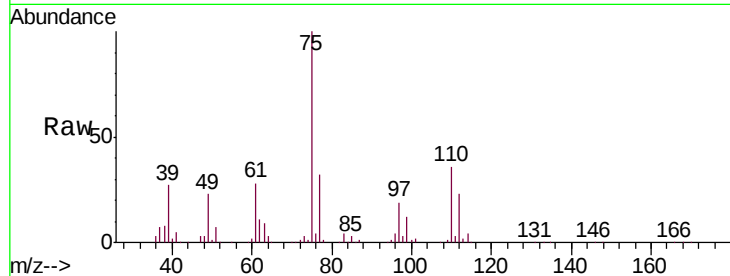
VSTD05035

Tgt Ion: 75 Resp: 219821

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#61

Bromoform

Concen: 49.230 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

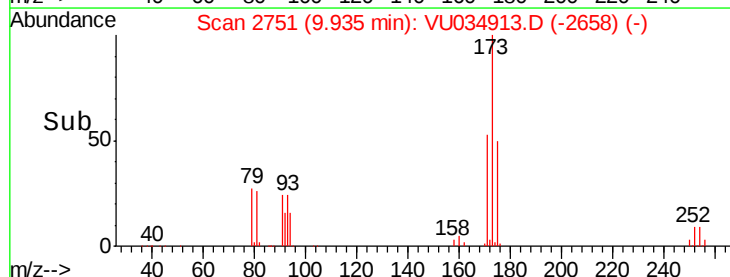
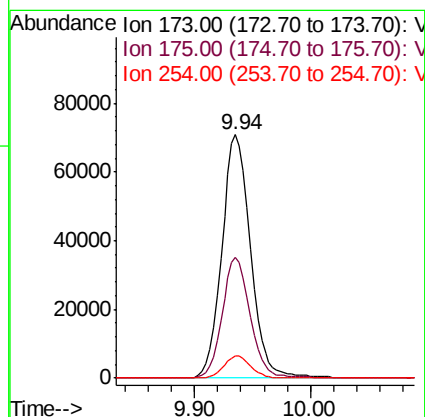
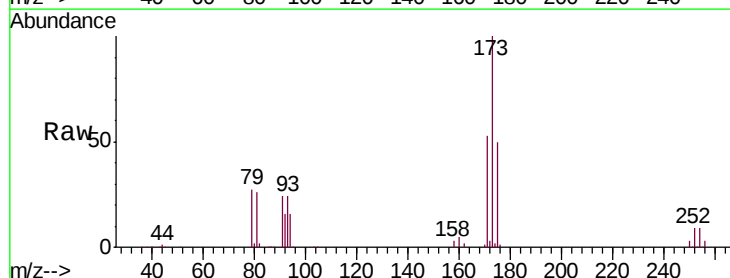
Tgt Ion: 173 Resp: 122061

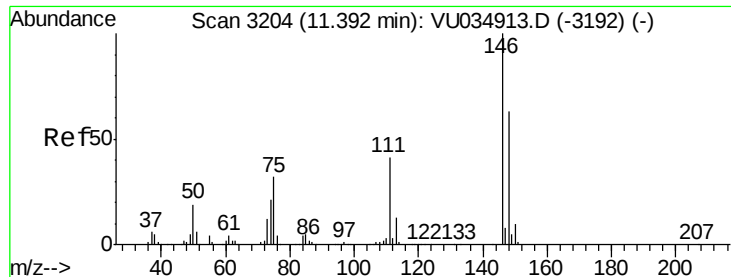
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 8.6 6.9 10.3

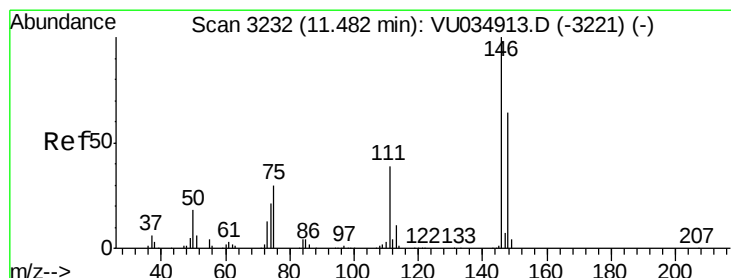
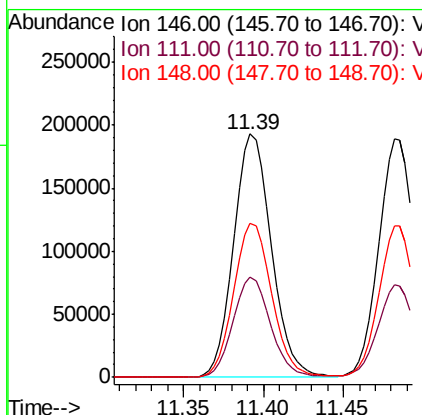
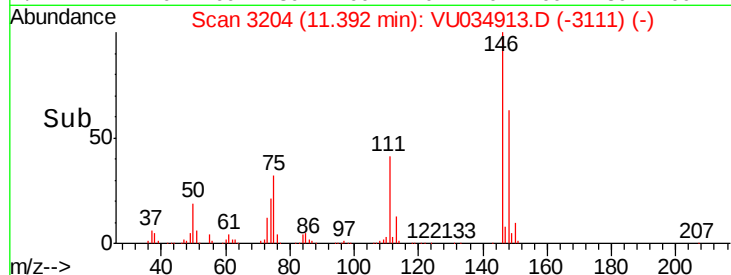
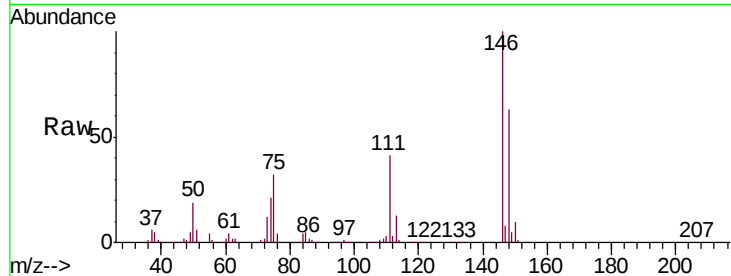




#62
 1,3-Dichlorobenzene
 Concen: 49.601 ug/L
 RT: 11.39 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU034913.D
 Acq: 03 Oct 2019 12:22

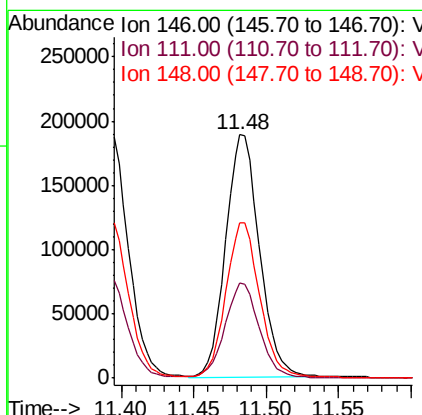
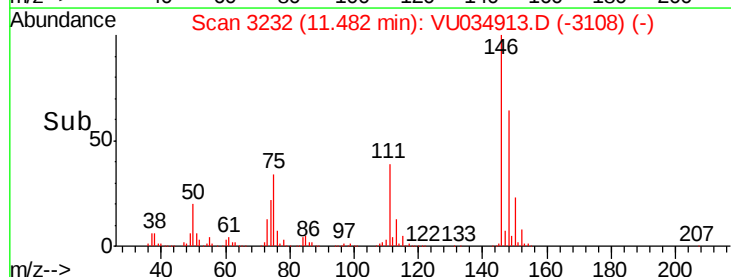
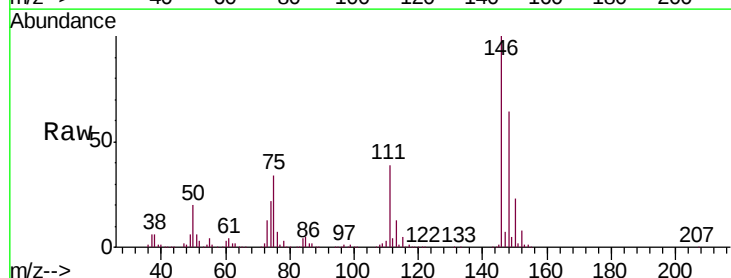
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

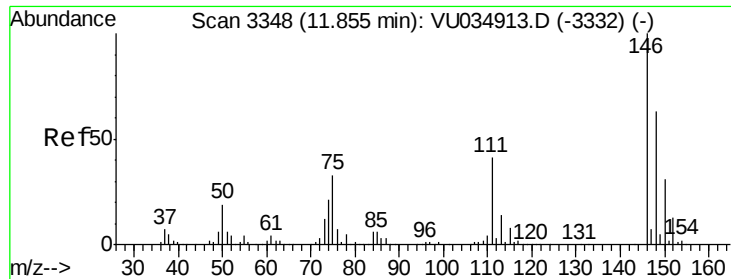
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	28.8	53.6
148	63.5	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 47.352 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.00 min
 Lab File: VU034913.D
 Acq: 03 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.3	50.7
148	63.6	44.5	82.7

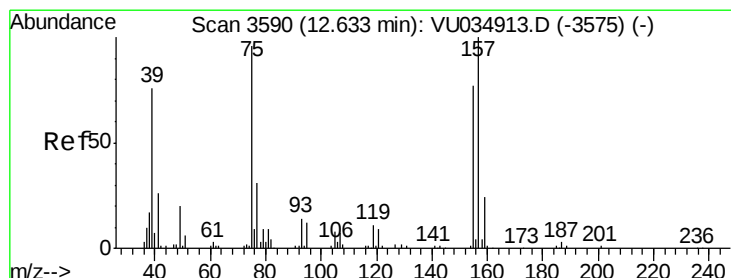
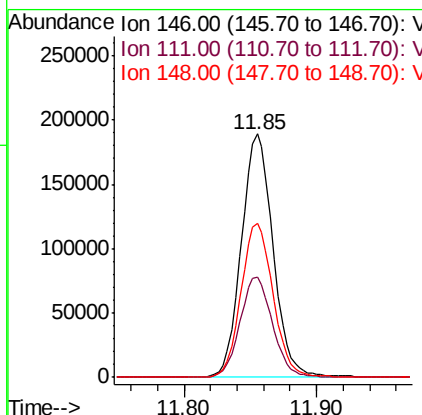
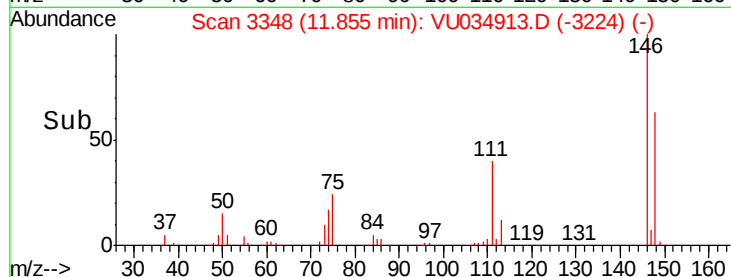
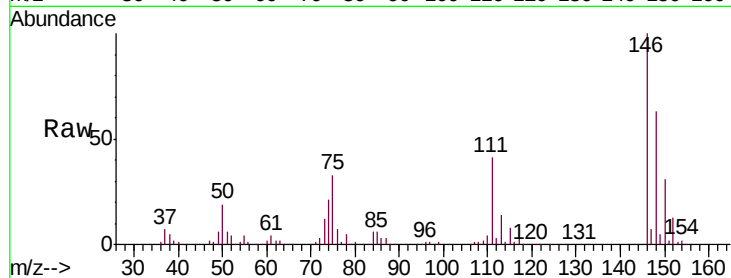




#65
 1,2-Dichlorobenzene
 Concen: 49.050 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034913.D
 Acq: 03 Oct 2019 12:22

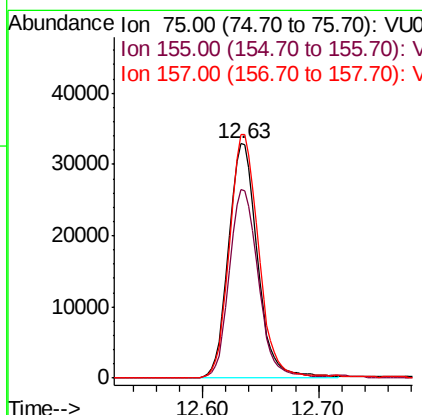
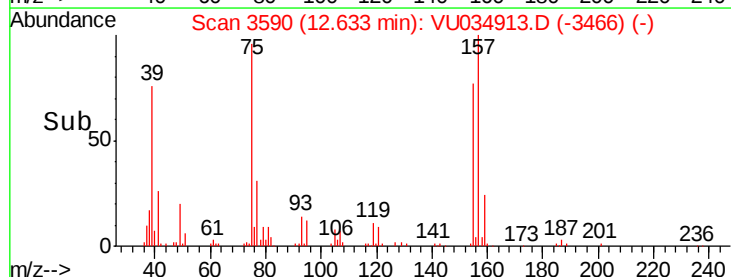
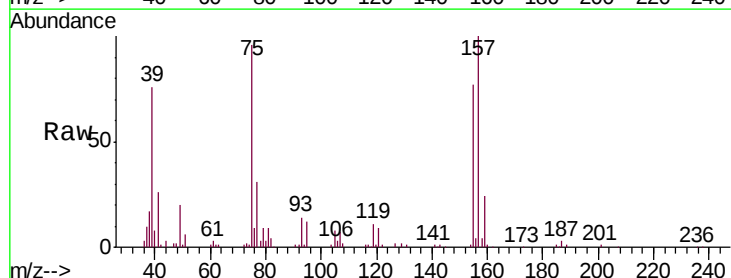
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

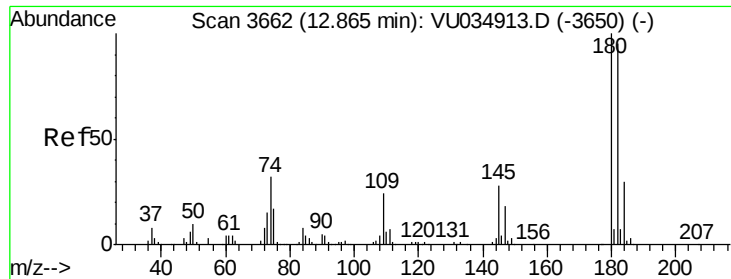
Tgt Ion: 146 Resp: 312744
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.0 49.4
 148 63.3 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.833 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. 0.00 min
 Lab File: VU034913.D
 Acq: 03 Oct 2019 12:22

Tgt Ion: 75 Resp: 56746
 Ion Ratio Lower Upper
 75 100
 155 80.2 64.2 96.2
 157 103.7 83.0 124.4

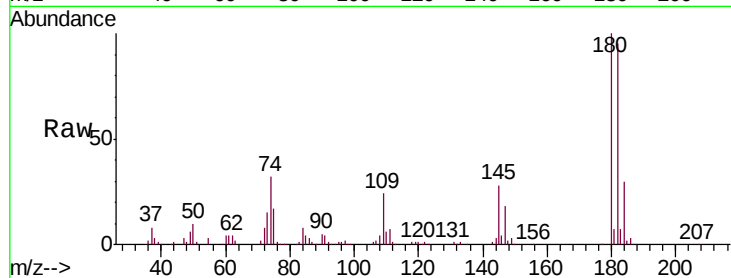




#67
 1,3,5-Trichlorobenzene
 Concen: 48.292 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034913.D
 Acq: 03 Oct 2019 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
184	30.1	24.1	36.1
145	28.0	22.4	33.6



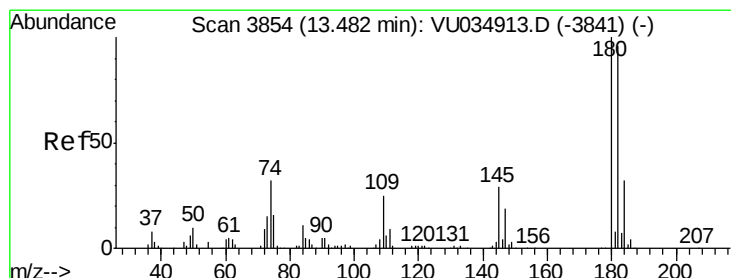
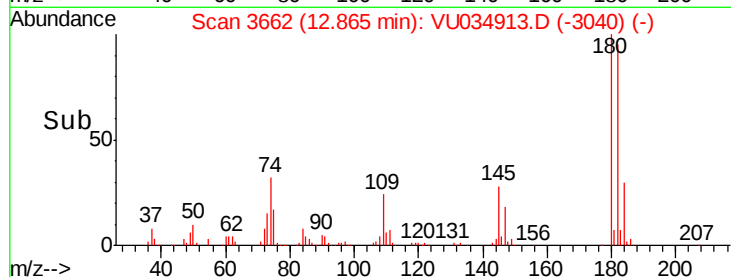
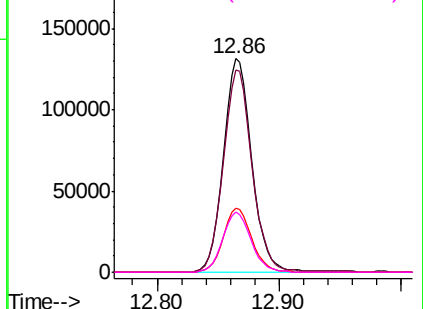
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

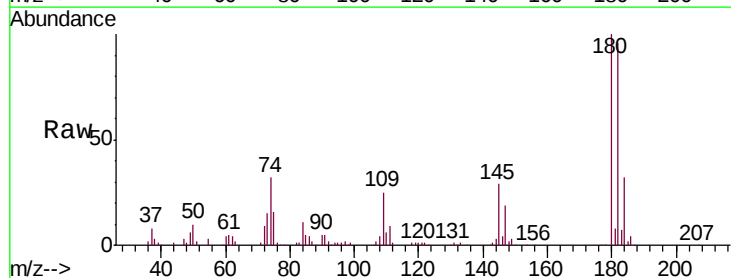
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 43.776 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034913.D
 Acq: 03 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
145	28.2	22.6	33.8

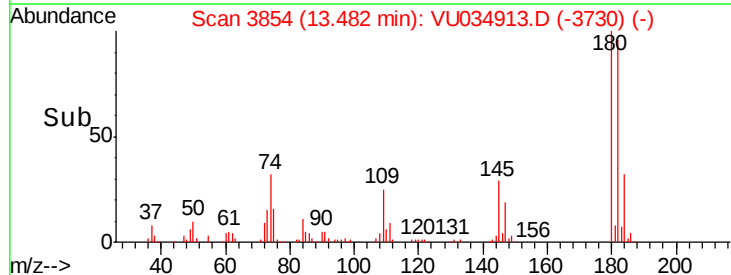
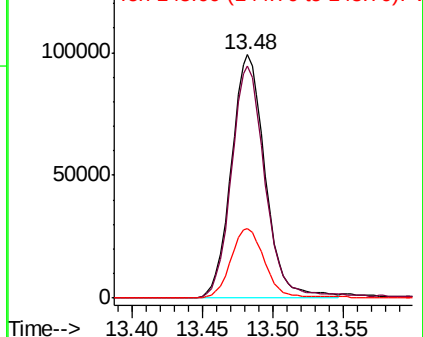


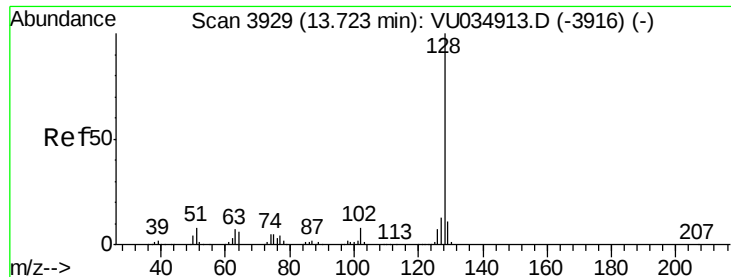
Abundance

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: 42.558 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

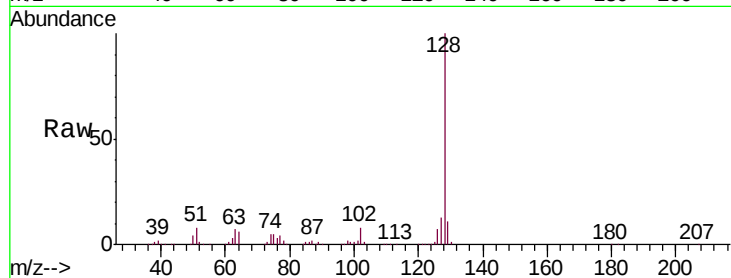
Tgt Ion:128 Resp: 511976

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

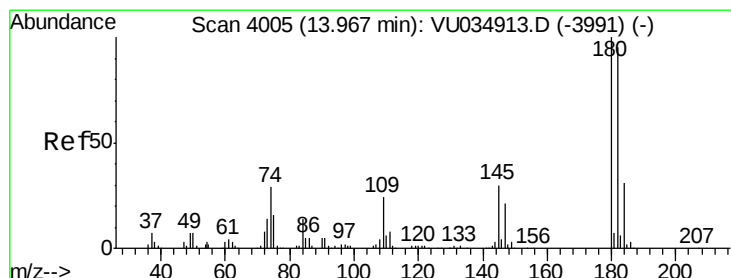
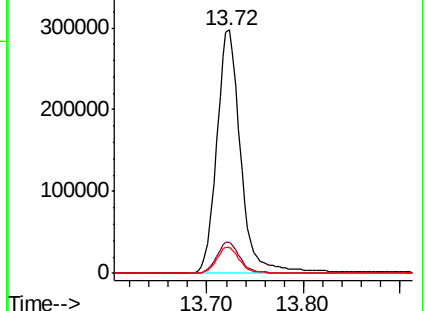
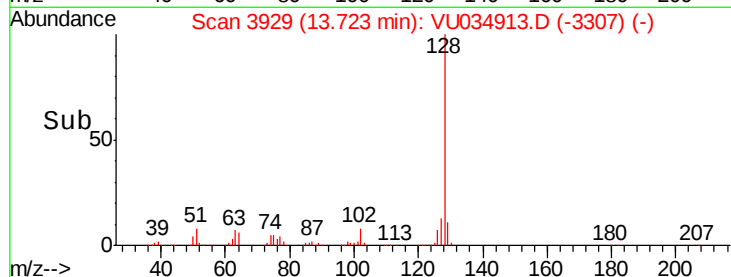
129 10.5 8.4 12.6



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: 41.606 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034913.D

Acq: 03 Oct 2019 12:22

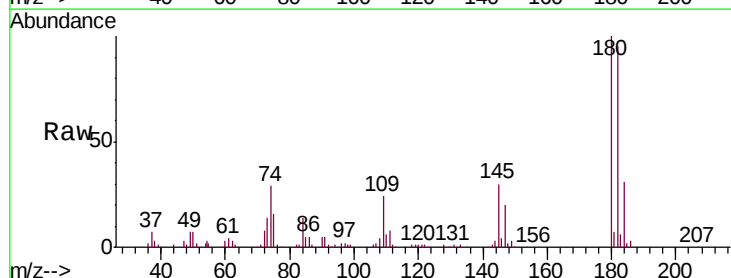
Tgt Ion:180 Resp: 171545

Ion Ratio Lower Upper

180 100

182 96.5 77.2 115.8

145 30.6 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

