

Data File : VU035482.D
Acq On : 25 Oct 2019 12:08
Operator : JC/SP
Sample : VSTD01004
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Quant Time: Oct 25 23:21:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 23:17:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	224630	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	243165	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	142522	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	296632	17.57	ug/L	0.00
7) Chloroethane-d5	1.93	69	235562	15.88	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	474751	15.90	ug/L	0.00
20) 2-Butanone-d5	4.70	46	602920	138.95	ug/L	0.00
24) Chloroform-d	5.11	84	436033	15.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	227192	14.46	ug/L	0.00
32) Benzene-d6	5.77	84	888838	14.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	284411	14.49	ug/L	0.00
41) Toluene-d8	7.93	98	820909	14.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	113865	12.60	ug/L	0.00
46) 2-Hexanone-d5	8.68	63	490524	125.95	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	232069	13.54	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	280468	10.55	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	290264	13.684	ug/L	100
3) Chloromethane	1.54	50	335718	14.989	ug/L	99
5) Vinyl chloride	1.62	62	338269	14.973	ug/L	97
6) Bromomethane	1.87	94	176164	13.768	ug/L	99
8) Chloroethane	1.95	64	196348	13.830	ug/L	100
9) Trichlorofluoromethane	2.16	101	388082	13.501	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	217217	13.203	ug/L	100
12) 1,1-Dichloroethene	2.61	96	203127	12.872	ug/L	98
13) Acetone	2.67	43	417543	135.449	ug/L	99
14) Carbon disulfide	2.82	76	720543	13.995	ug/L	100
15) Methyl Acetate	3.00	43	104153	13.750	ug/L	98
16) Methylene chloride	3.08	84	244582	12.679	ug/L	99
17) Methyl tert-butyl Ether	3.42	73	516156	12.561	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	224516	13.201	ug/L	97
19) 1,1-Dichloroethane	3.92	63	441419	13.979	ug/L	100
21) 2-Butanone	4.78	43	660375	134.356	ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	247995	13.290	ug/L	97
23) Bromochloromethane	5.02	128	108129	13.355	ug/L	96
25) Chloroform	5.14	83	435279	12.653	ug/L	99
27) 1,2-Dichloroethane	5.84	62	271907	13.053	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	354801	11.797	ug/L	100
30) Cyclohexane	5.43	56	393223	12.341	ug/L	98
31) Carbon tetrachloride	5.57	117	320954	11.832	ug/L	100
33) Benzene	5.82	78	967264	12.608	ug/L	100
34) Trichloroethene	6.58	95	235082	11.661	ug/L	99
35) Methylcyclohexane	6.80	83	398423	12.056	ug/L	96
37) 1,2-Dichloropropane	6.84	63	255843	13.053	ug/L	99
38) Bromodichloromethane	7.15	83	309807	11.970	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	362925	11.543	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	1603445	123.386	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	1025080	12.228	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	298579	11.650	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	171064	11.977	ug/L	99
47) Tetrachloroethene	8.58	164	190237	11.370	ug/L	98
48) 2-Hexanone	8.73	43	1100154	120.344	ug/L	96
49) Dibromochloromethane	8.84	129	205359	11.548	ug/L	99
50) 1,2-Dibromoethane	8.96	107	164643	11.668	ug/L	99
51) Chlorobenzene	9.48	112	629529	11.790	ug/L	98
52) Ethylbenzene	9.60	91	1104314	11.857	ug/L	100
53) m,p-Xylene	9.72	106	414183	11.780	ug/L	99
54) o-Xylene	10.13	106	401561	11.723	ug/L	98
55) Styrene	10.14	104	683335	12.195	ug/L	100
56) Isopropylbenzene	10.51	105	1057112	11.576	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	228693	12.321	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	164721	12.364	ug/L	94
61) Bromoform	10.32	173	122831	9.374	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	466091	9.533	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	456305	9.502	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	446042	9.727	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	29129	8.982	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	308937	10.123	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	180776	9.175	ug/L	97
69) Naphthalene	14.11	128	239819	8.829	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	178265	9.518	ug/L	99

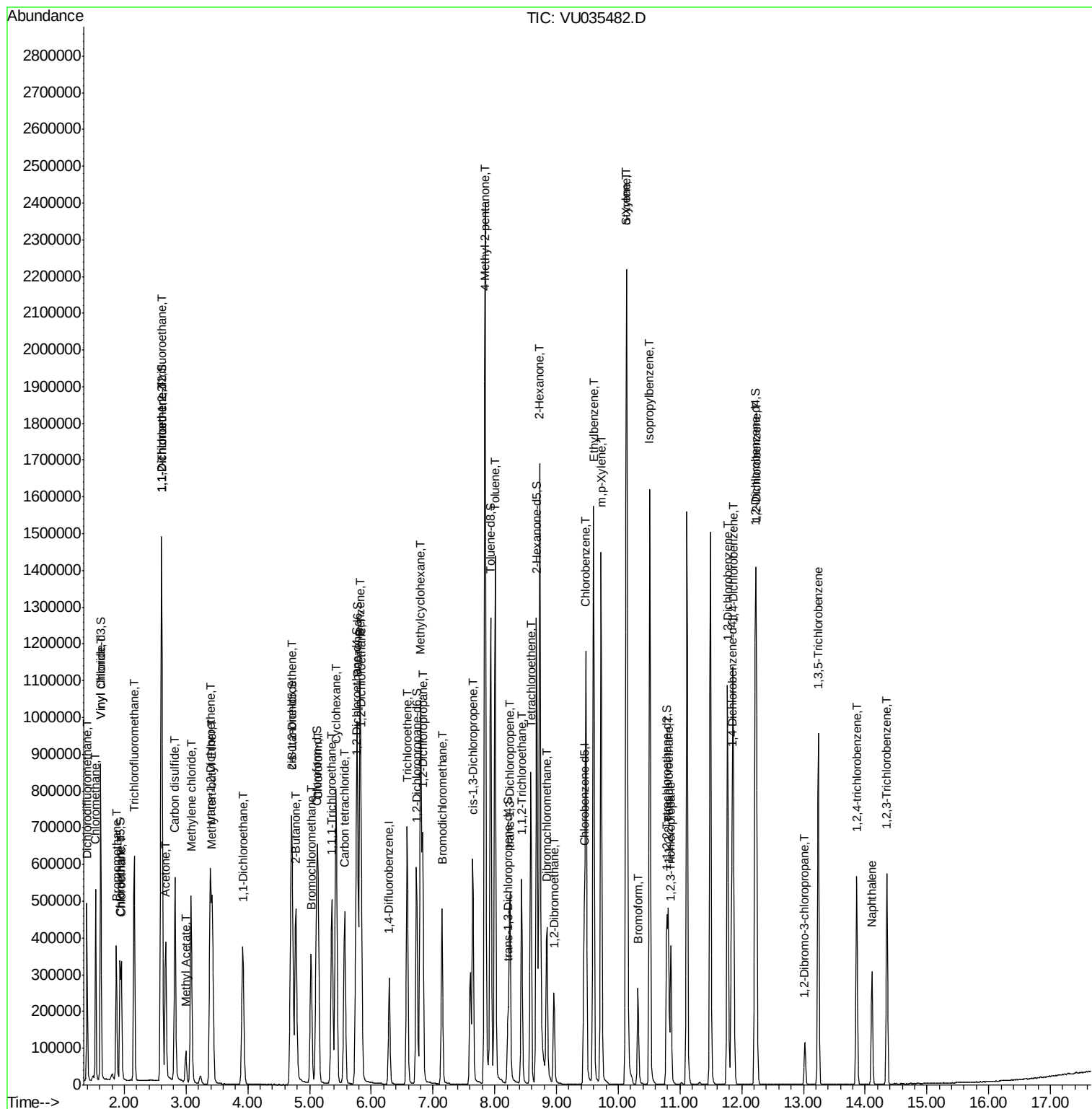
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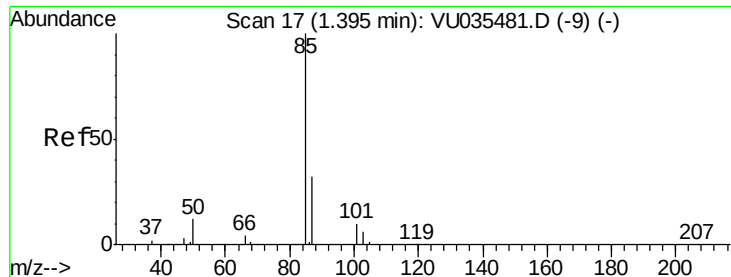
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#2

Dichlorodifluoromethane

Concen: 13.684 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

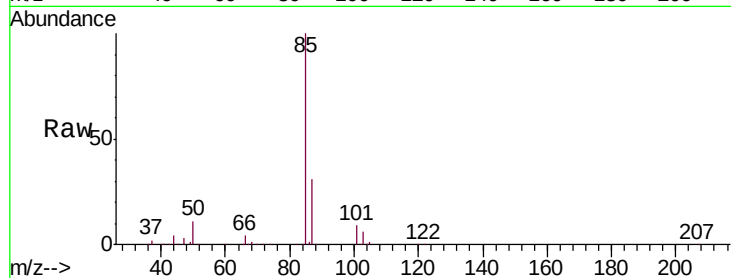
VSTD01004

Tgt Ion: 85 Resp: 290264

Ion Ratio Lower Upper

85 100

87 31.9 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU035482.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035482.D (-9) (-)

1.39

300000

250000

200000

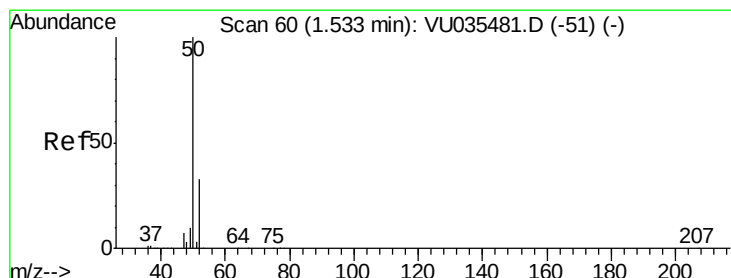
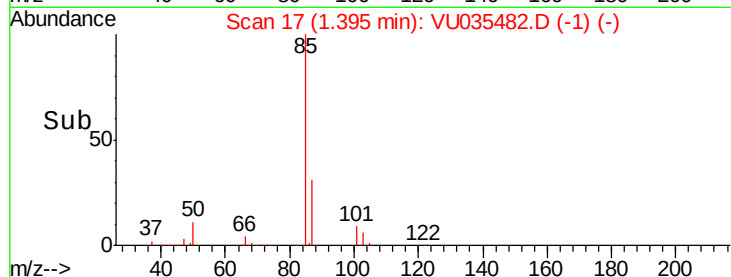
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 14.989 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035482.D

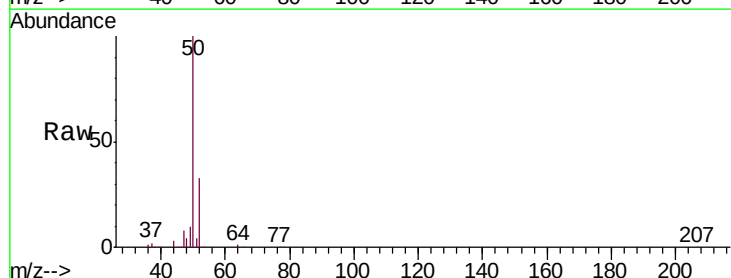
Acq: 25 Oct 2019 12:08

Tgt Ion: 50 Resp: 335718

Ion Ratio Lower Upper

50 100

52 33.3 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035482.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035482.D (-51) (-)

1.54

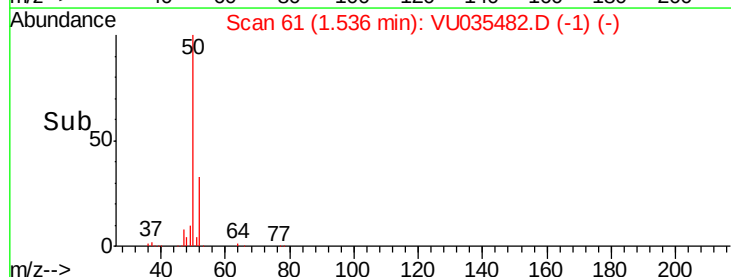
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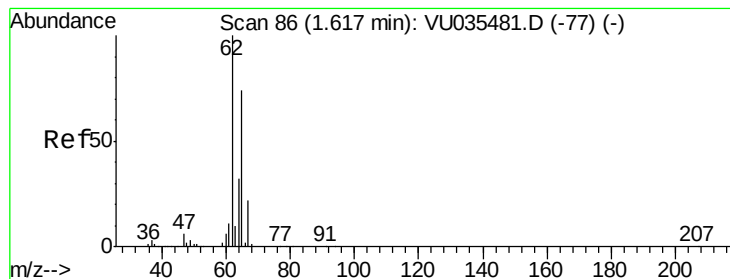
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100000

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Time-->





#5

Vinyl chloride

Concen: 14.973 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

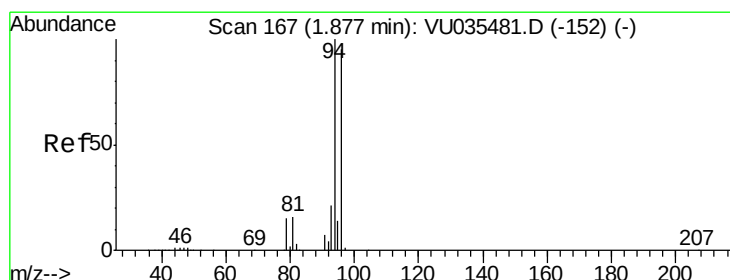
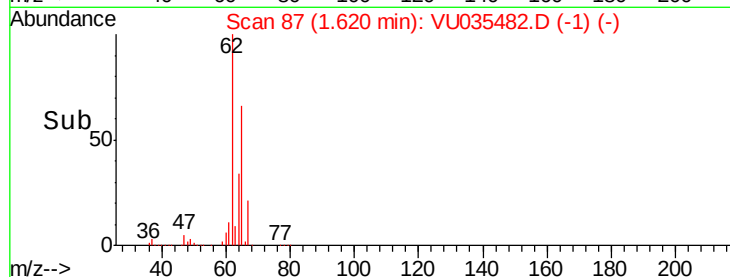
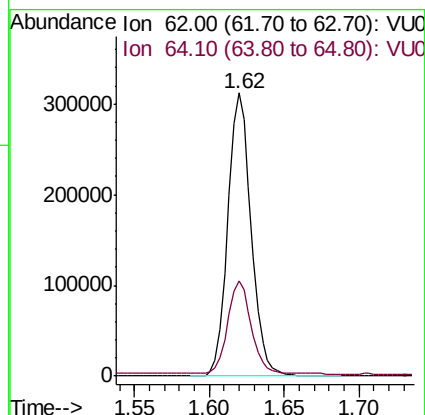
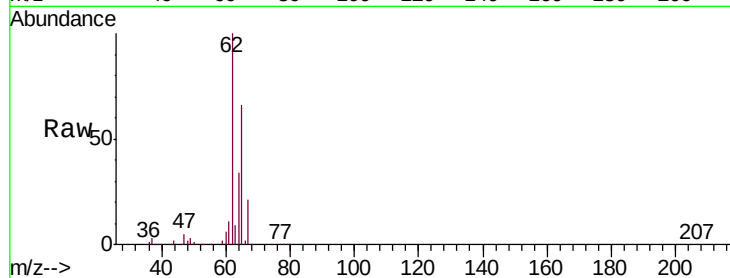
VSTD01004

Tgt Ion: 62 Resp: 338269

Ion Ratio Lower Upper

62 100

64 33.7 22.5 41.9



#6

Bromomethane

Concen: 13.768 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.01 min

Lab File: VU035482.D

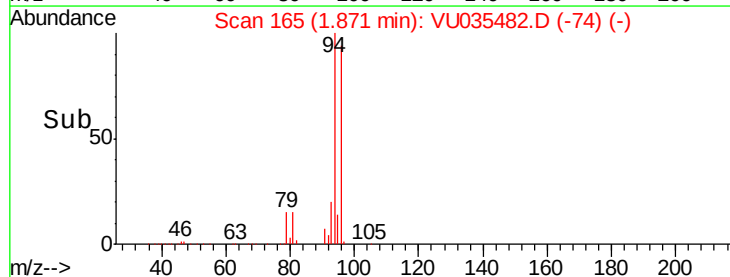
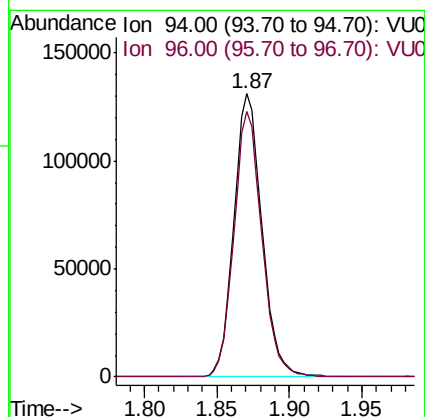
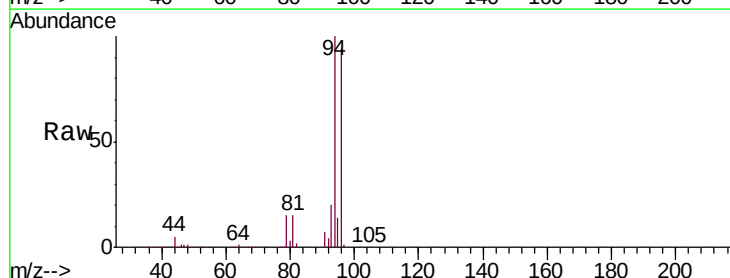
Acq: 25 Oct 2019 12:08

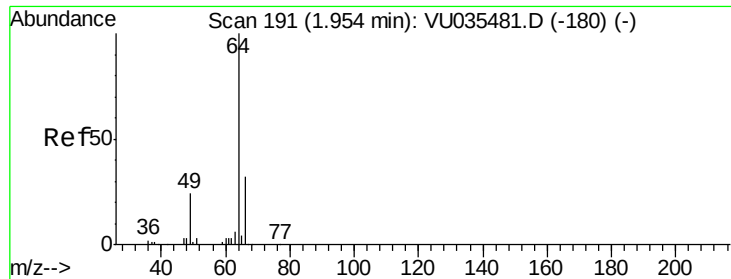
Tgt Ion: 94 Resp: 176164

Ion Ratio Lower Upper

94 100

96 94.0 66.3 123.1

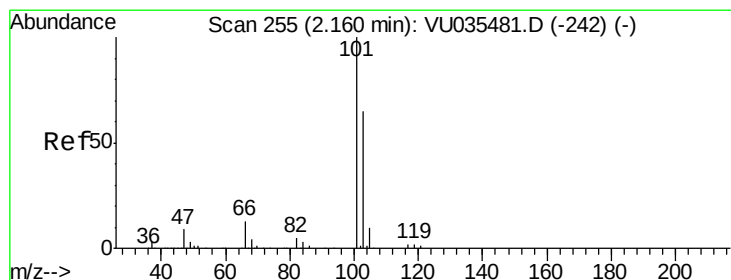
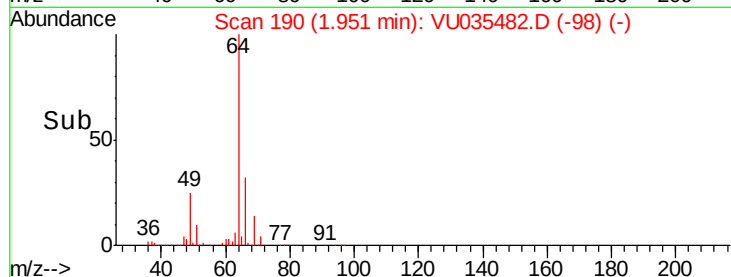
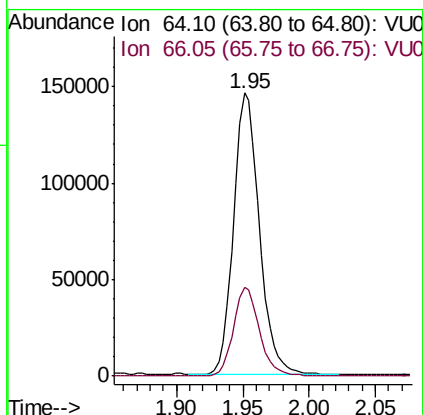
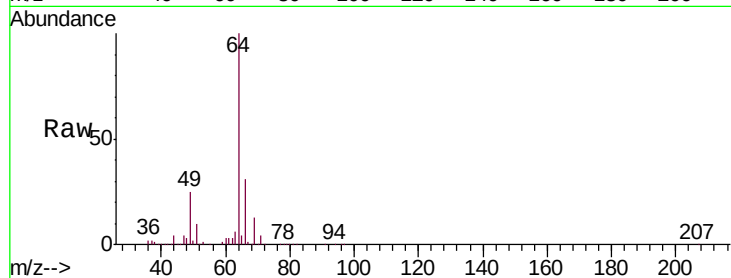




#8
Chloroethane
Concen: 13.830 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

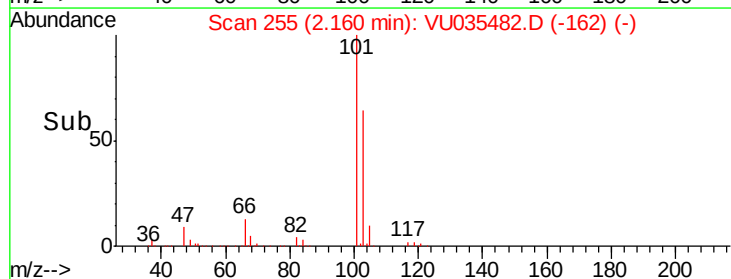
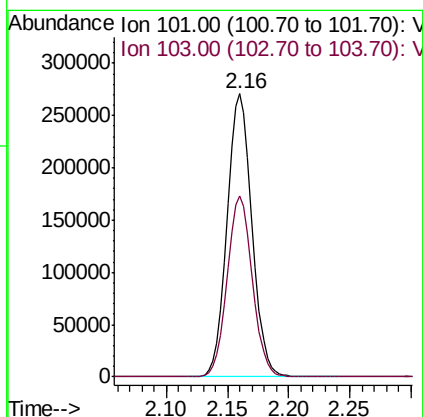
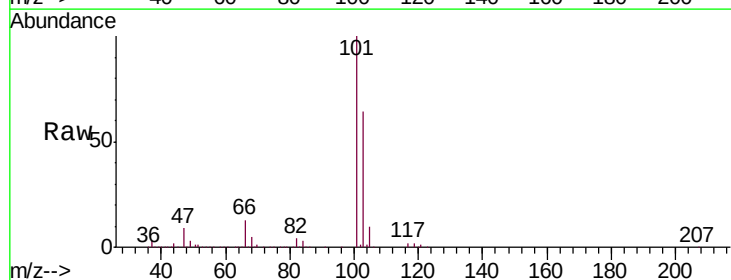
Instrument :
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ClientSampleId :
VSTD01004

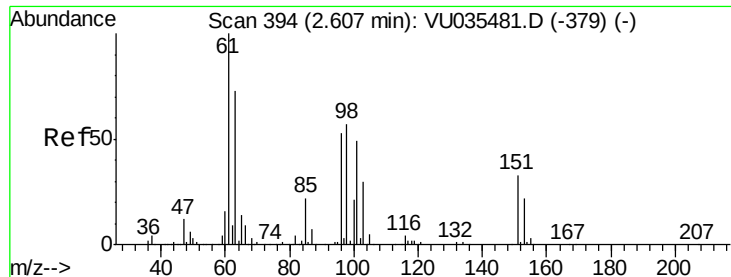
Tgt Ion: 64 Resp: 196348
Ion Ratio Lower Upper
64 100
66 31.4 21.8 40.6



#9
Trichlorofluoromethane
Concen: 13.501 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 101 Resp: 388082
Ion Ratio Lower Upper
101 100
103 64.5 51.2 76.8





#10

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

Concen: 13.203 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

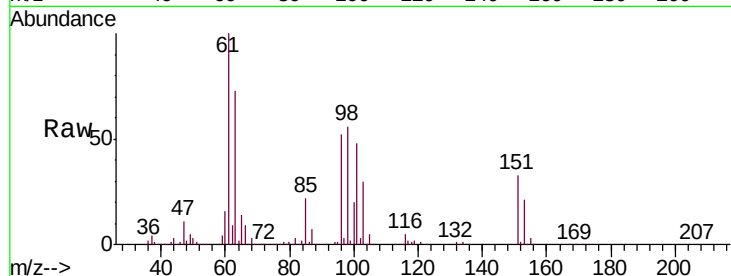
Tgt Ion: 101 Resp: 217217

Ion Ratio Lower Upper

101 100

85 44.1 34.7 52.1

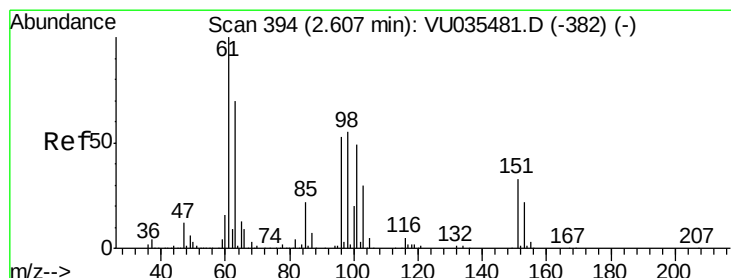
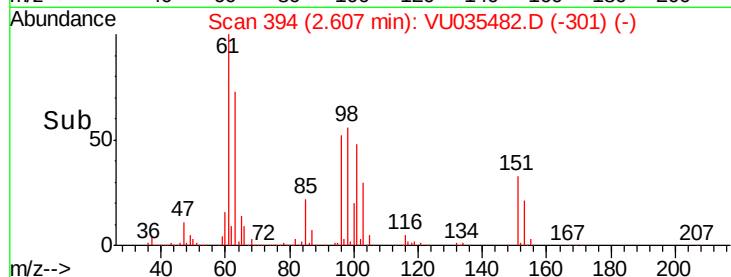
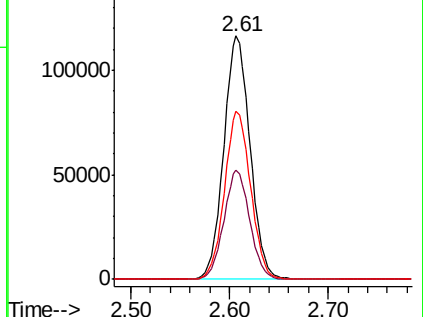
151 68.6 54.8 82.2



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: 12.872 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

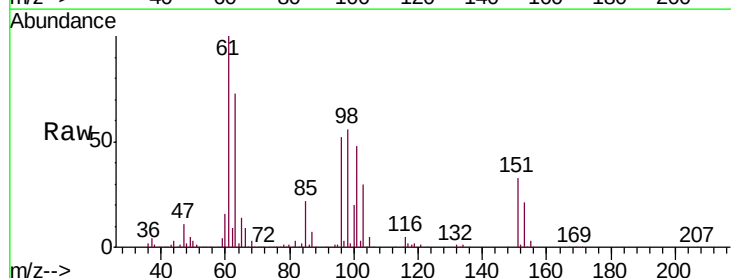
Tgt Ion: 96 Resp: 203127

Ion Ratio Lower Upper

96 100

61 191.7 131.9 244.9

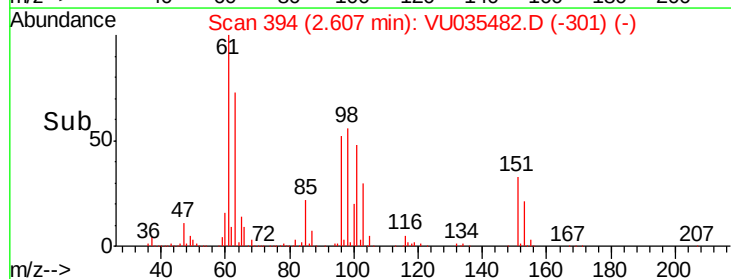
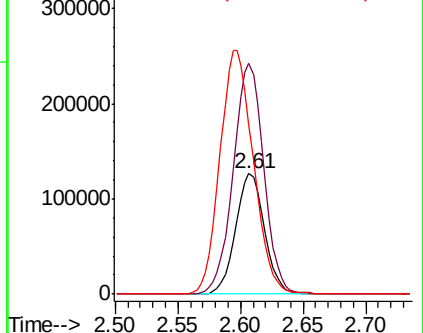
63 140.6 97.0 180.2

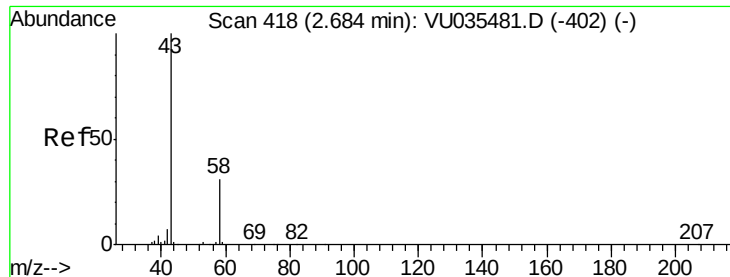


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 135.449 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.02 min

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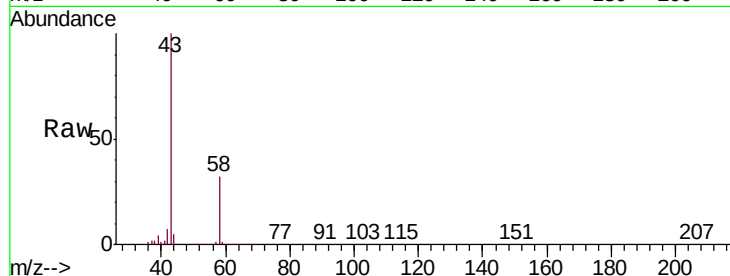
VSTD01004

Tgt Ion: 43 Resp: 417543

Ion Ratio Lower Upper

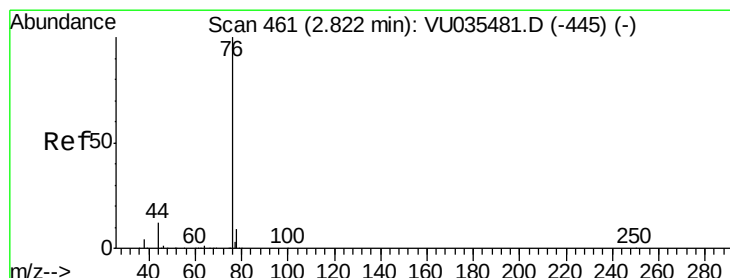
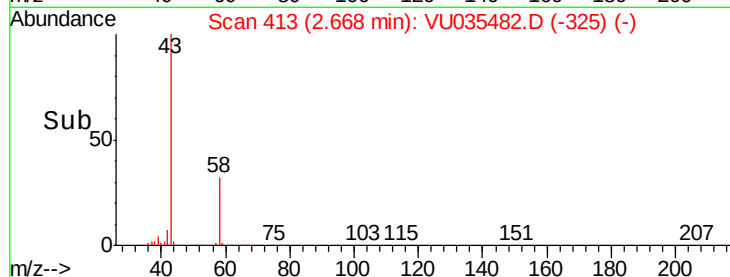
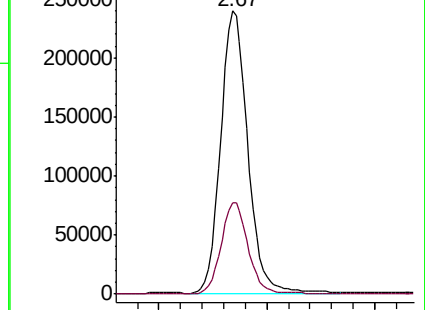
43 100

58 32.3 0.0 63.2



Abundance Ion 43.05 (42.75 to 43.75): VU035481.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035481.D (-402) (-)



#14

Carbon disulfide

Concen: 13.995 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035482.D

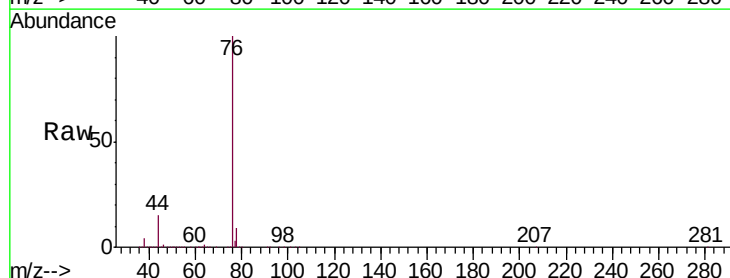
Acq: 25 Oct 2019 12:08

Tgt Ion: 76 Resp: 720543

Ion Ratio Lower Upper

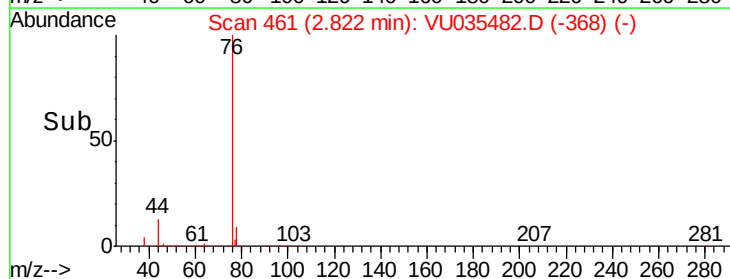
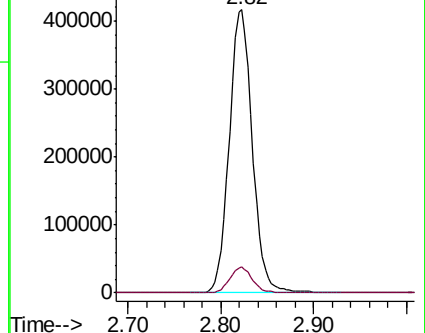
76 100

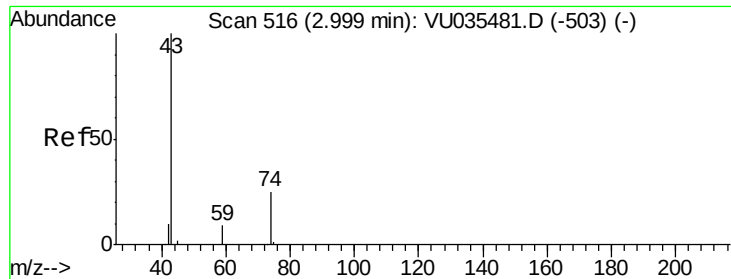
78 9.0 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035481.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU035481.D (-445) (-)

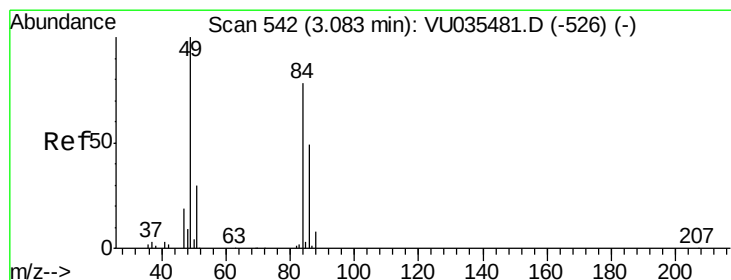
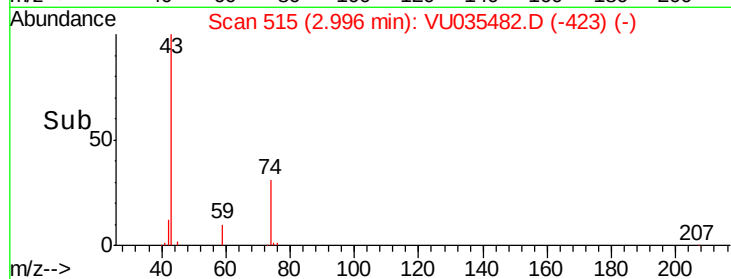
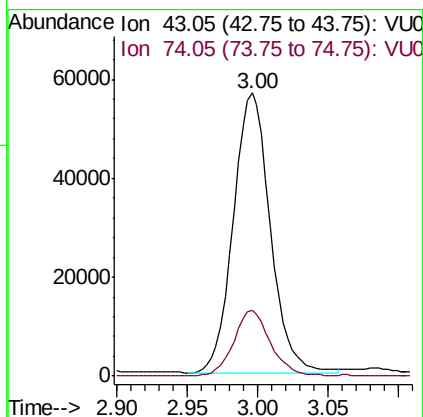
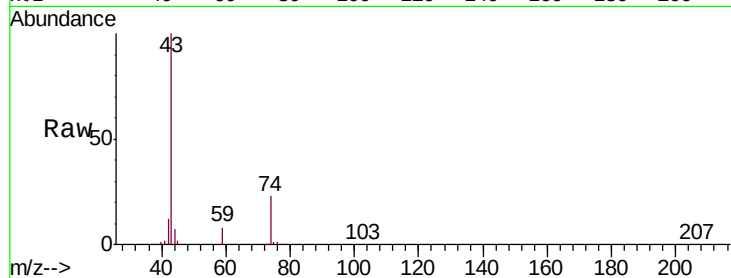




#15
Methyl Acetate
Concen: 13.750 ug/L
RT: 3.00 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

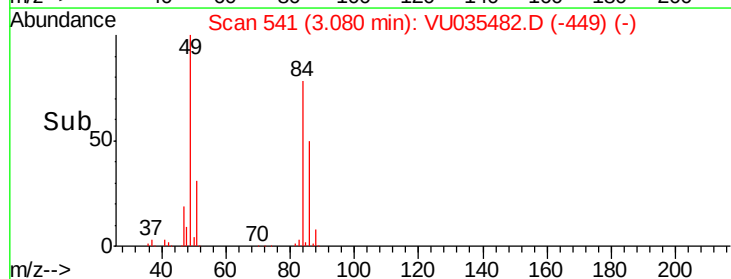
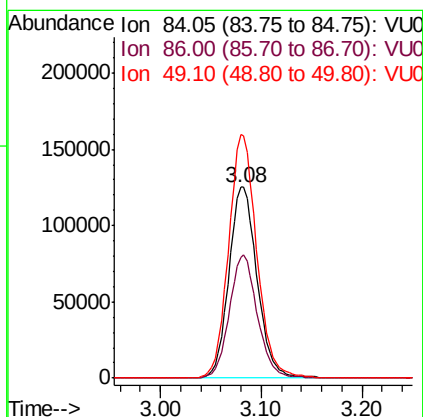
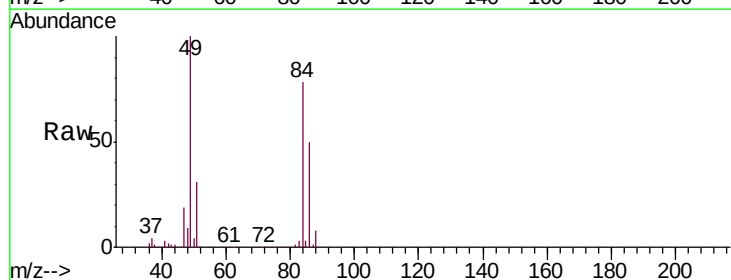
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

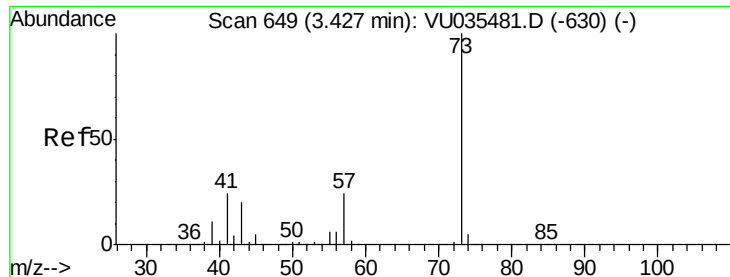
Tgt Ion: 43 Resp: 104153
Ion Ratio Lower Upper
43 100
74 23.5 19.4 29.2



#16
Methylene chloride
Concen: 12.679 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 84 Resp: 244582
Ion Ratio Lower Upper
84 100
86 63.4 43.7 81.1
49 127.6 89.5 166.3





#17

Methyl tert-butyl Ether

Concen: 12.561 ug/L

RT: 3.42 min Scan# 648

Delta R.T. -0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

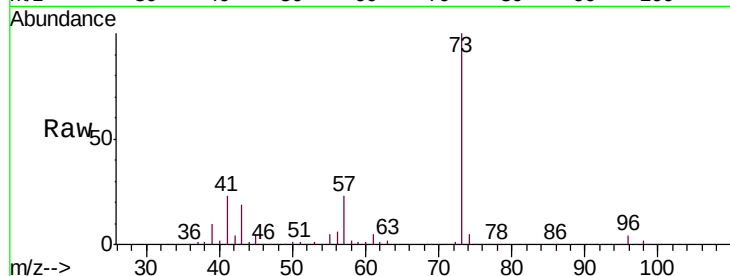
Tgt Ion: 73 Resp: 516156

Ion Ratio Lower Upper

73 100

43 19.2 15.8 23.8

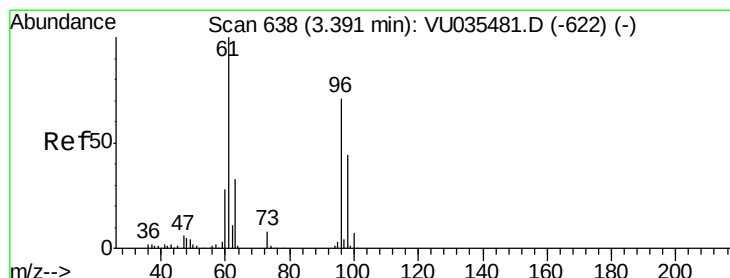
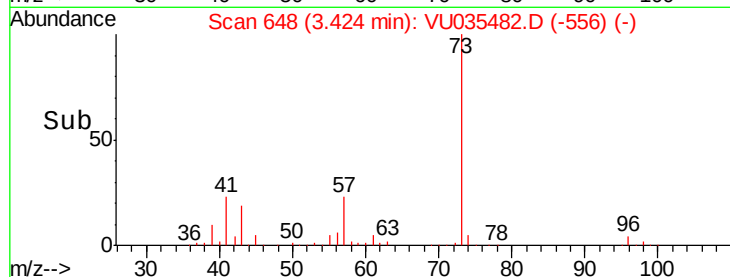
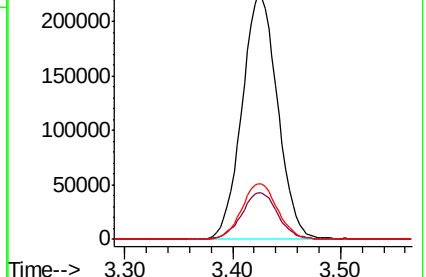
57 23.0 19.0 28.6



Abundance Ion 73.10 (72.80 to 73.80): VU035481.D (-630) (-)

Ion 43.05 (42.75 to 43.75): VU035481.D (-630) (-)

Ion 57.10 (56.80 to 57.80): VU035481.D (-630) (-)



#18

trans-1,2-Dichloroethene

Concen: 13.201 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

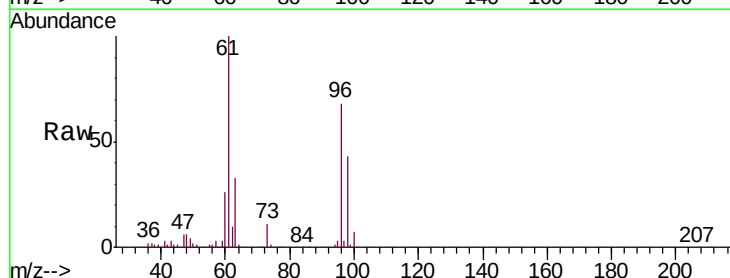
Tgt Ion: 96 Resp: 224516

Ion Ratio Lower Upper

96 100

61 146.4 99.0 184.0

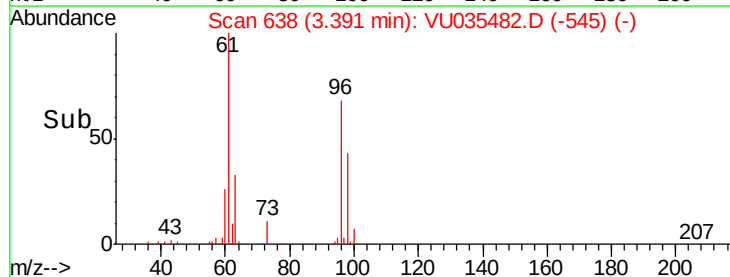
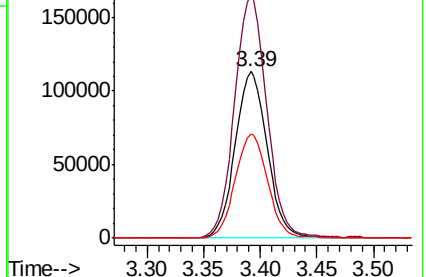
98 62.8 43.8 81.4

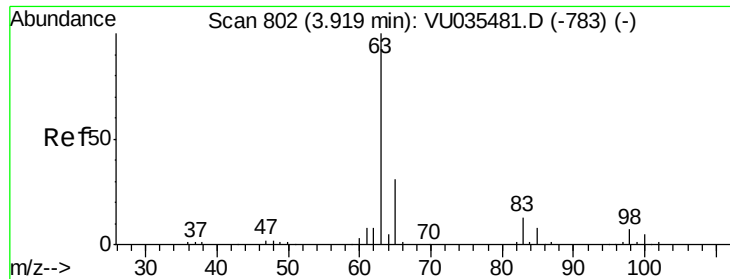


Abundance Ion 96.00 (95.70 to 96.70): VU035481.D (-622) (-)

Ion 61.05 (60.75 to 61.75): VU035481.D (-622) (-)

Ion 97.95 (97.65 to 98.65): VU035481.D (-622) (-)

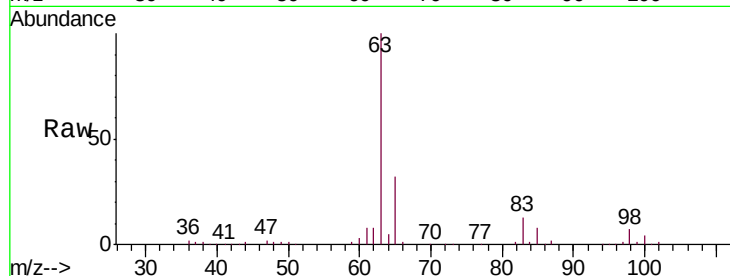




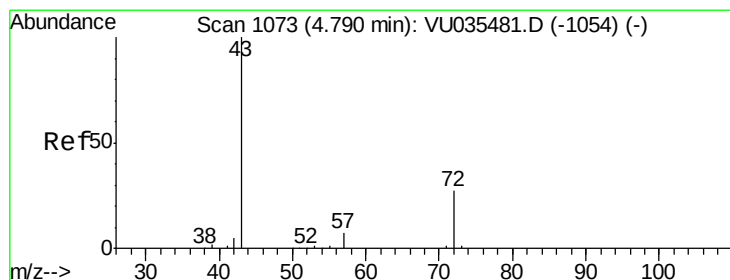
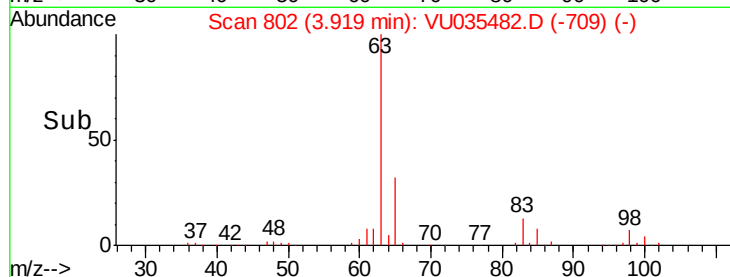
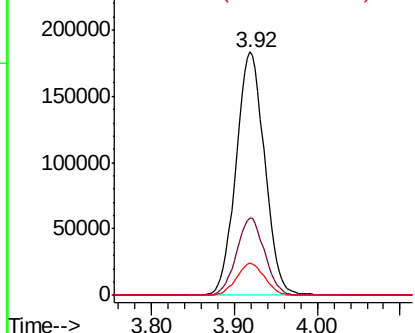
#19
 1,1-Dichloroethane
 Concen: 13.979 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035482.D
 Acq: 25 Oct 2019 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tgt Ion: 63 Resp: 441419
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.0 41.0
 83 13.1 9.2 17.2

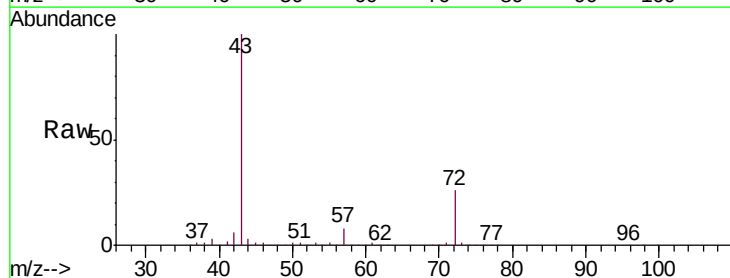


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

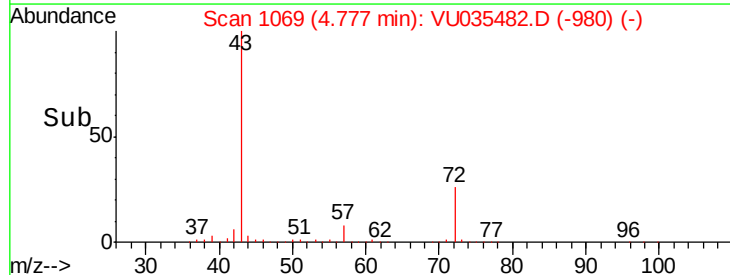
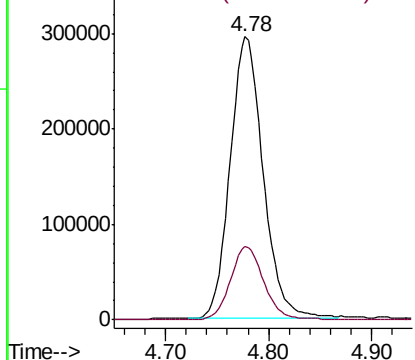


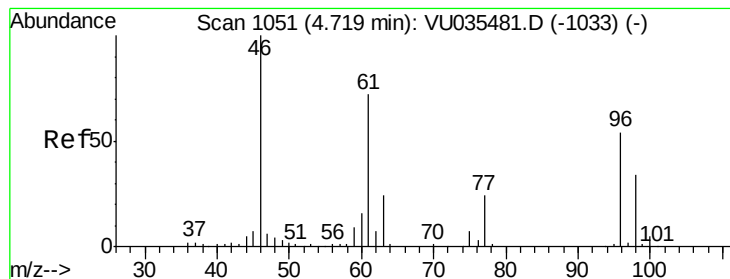
#21
 2-Butanone
 Concen: 134.356 ug/L
 RT: 4.78 min Scan# 1069
 Delta R.T. -0.01 min
 Lab File: VU035482.D
 Acq: 25 Oct 2019 12:08

Tgt Ion: 43 Resp: 660375
 Ion Ratio Lower Upper
 43 100
 72 25.6 12.9 38.7



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 13.290 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

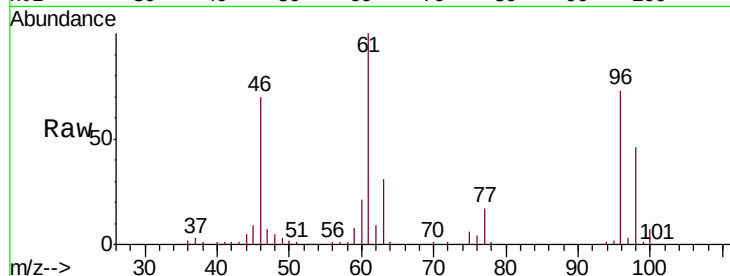
Tgt Ion: 96 Resp: 247995

Ion Ratio Lower Upper

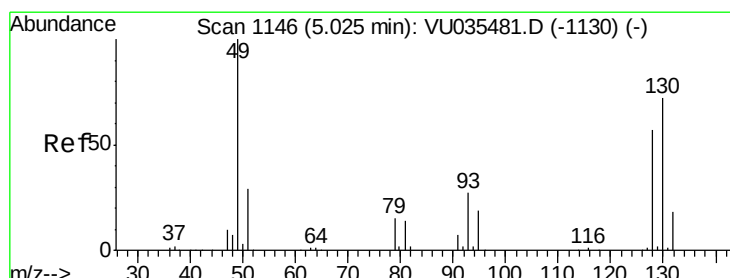
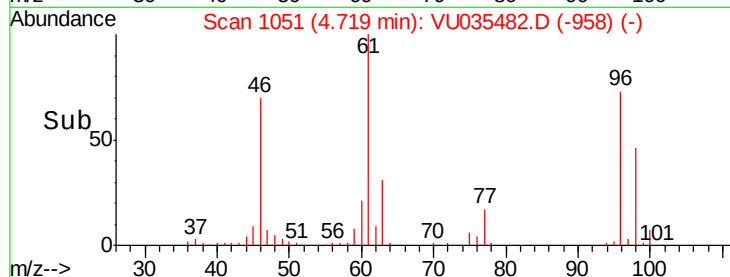
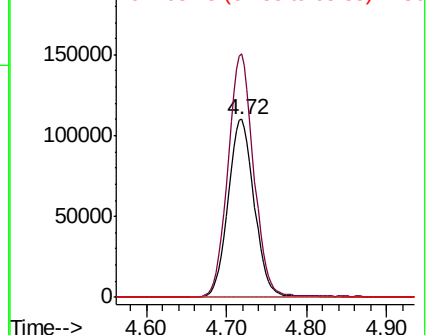
96 100

61 136.7 93.6 173.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 13.355 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

Tgt Ion: 128 Resp: 108129

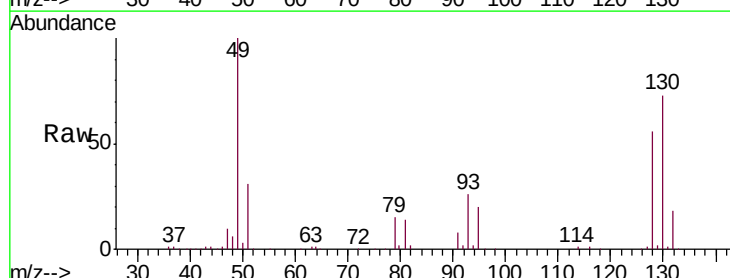
Ion Ratio Lower Upper

128 100

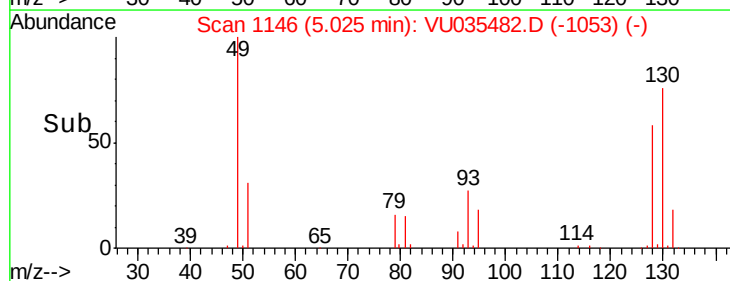
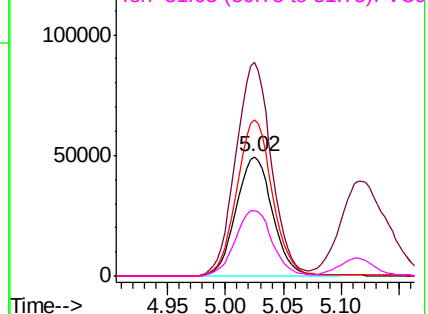
49 178.6 122.2 226.9

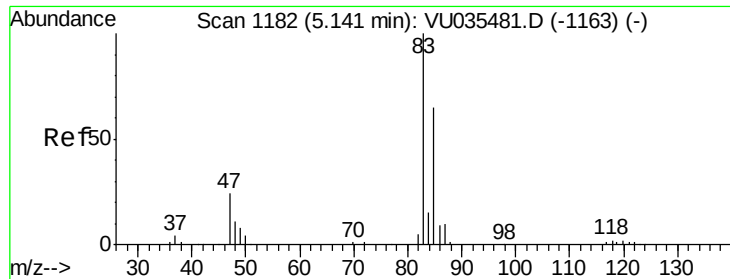
130 130.8 87.9 163.3

51 54.9 41.0 61.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

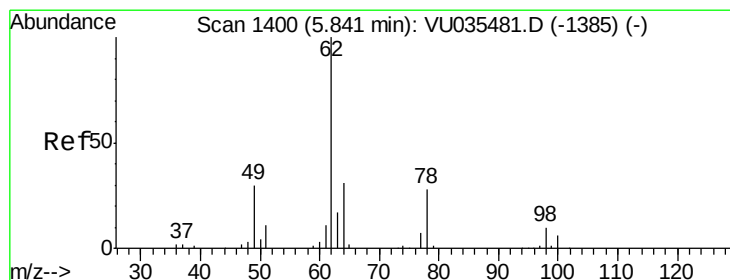
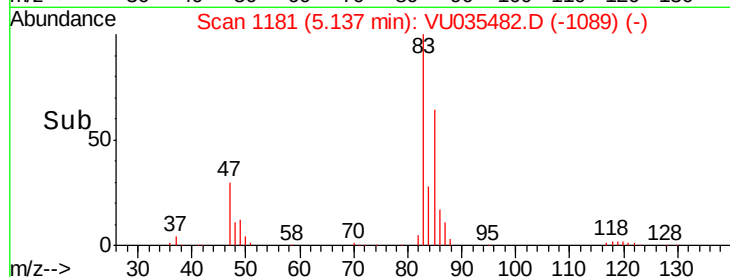
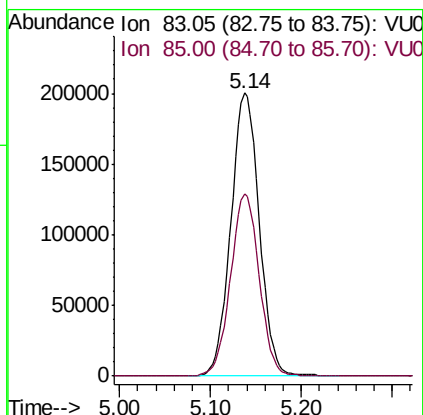
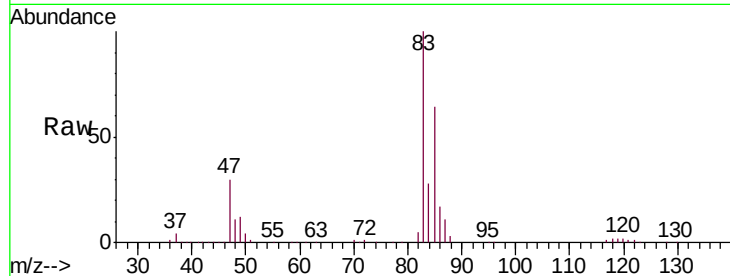




#25
Chloroform
Concen: 12.653 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

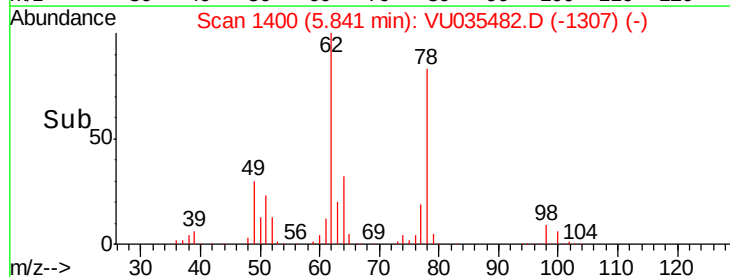
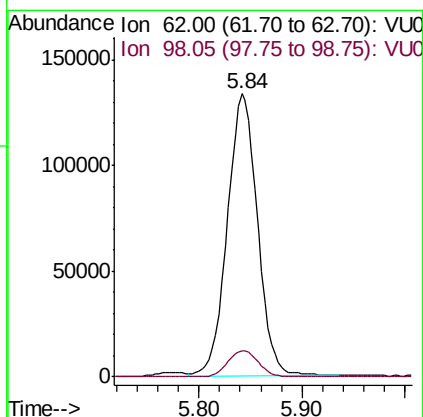
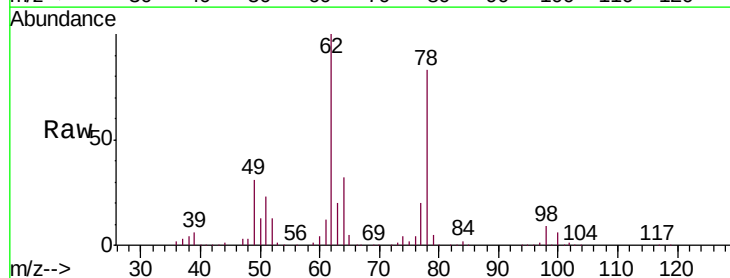
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

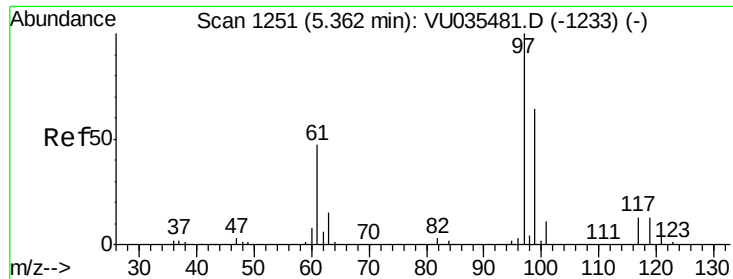
Tgt Ion: 83 Resp: 435279
Ion Ratio Lower Upper
83 100
85 64.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 13.053 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 62 Resp: 271907
Ion Ratio Lower Upper
62 100
98 9.4 7.6 11.4

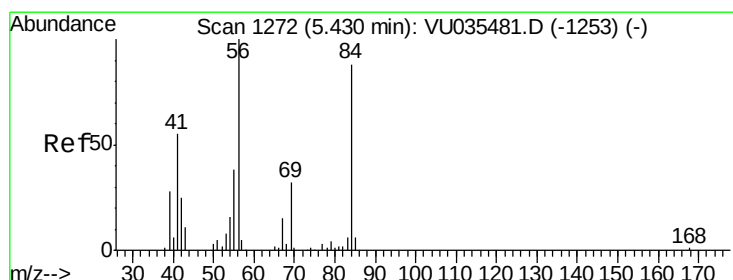
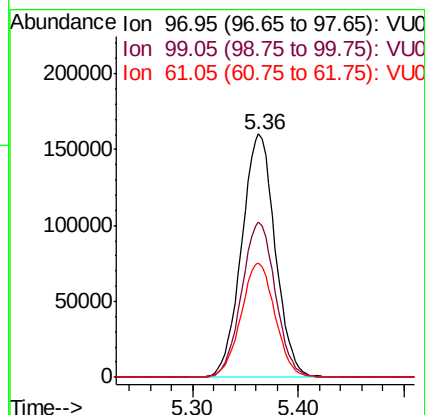
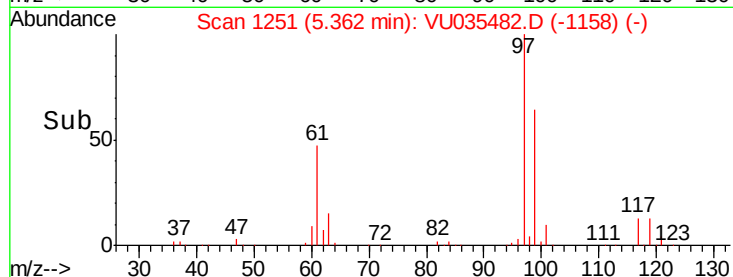
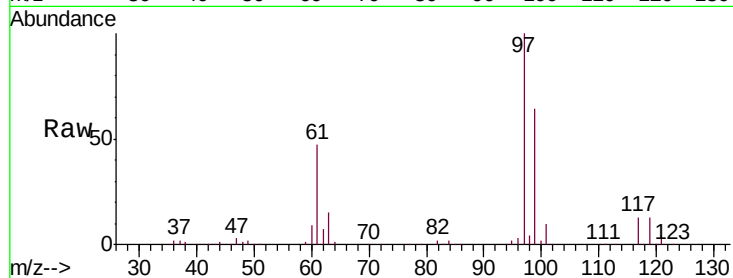




#29
1,1,1-Trichloroethane
Concen: 11.797 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

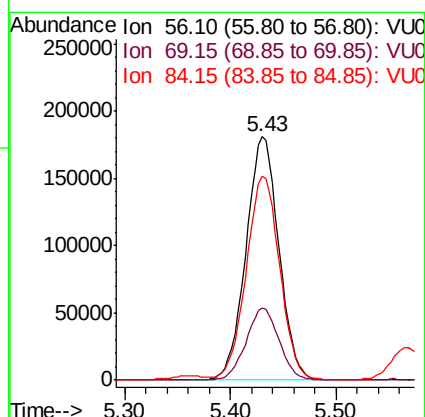
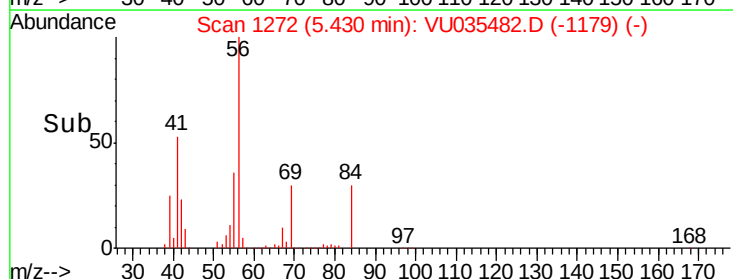
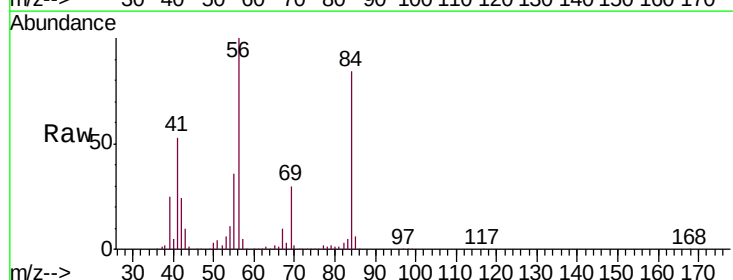
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

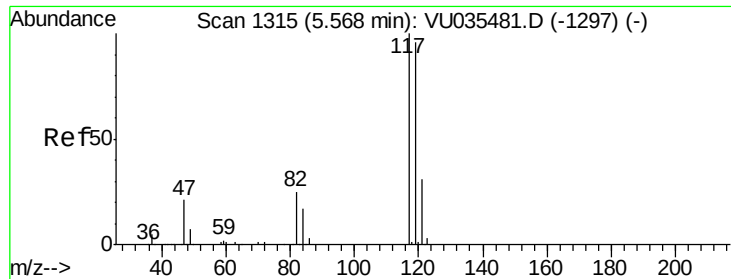
Tgt Ion: 97 Resp: 354801
Ion Ratio Lower Upper
97 100
99 64.5 51.1 76.7
61 47.5 37.9 56.9



#30
Cyclohexane
Concen: 12.341 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 56 Resp: 393223
Ion Ratio Lower Upper
56 100
69 29.6 23.9 35.9
84 84.9 69.4 104.2

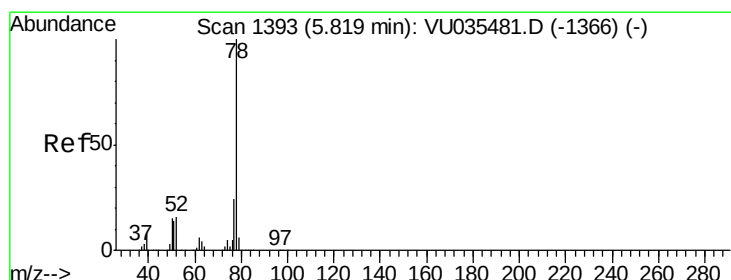
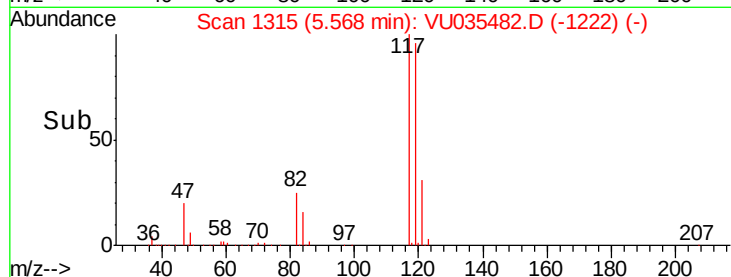
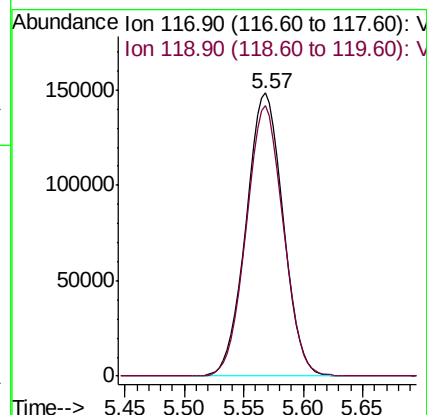
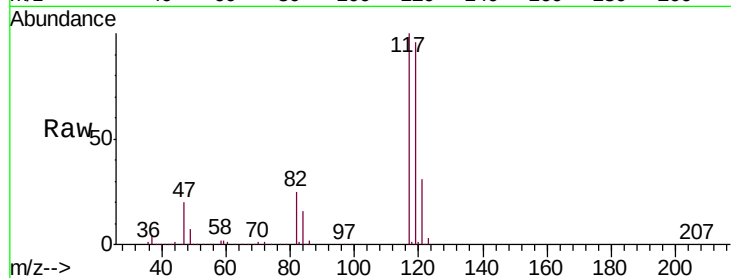




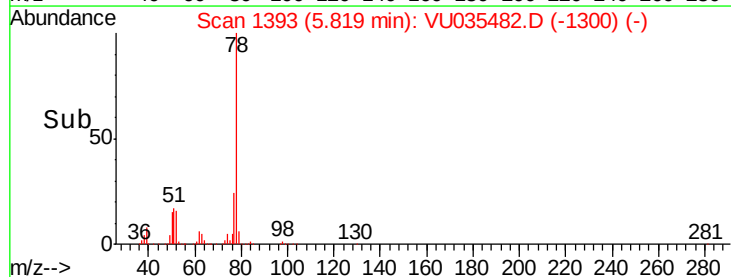
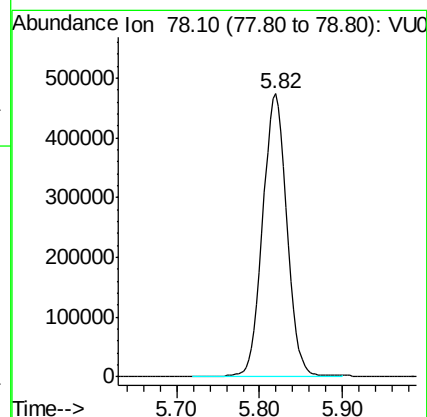
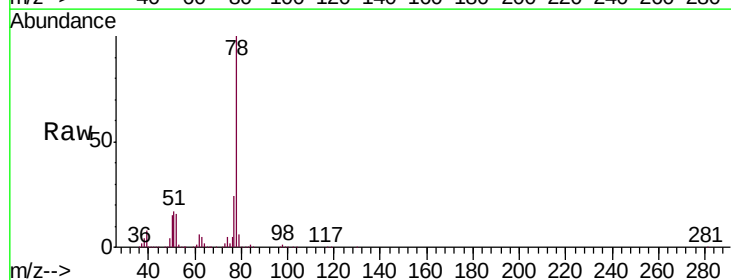
#31
Carbon tetrachloride
Concen: 11.832 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

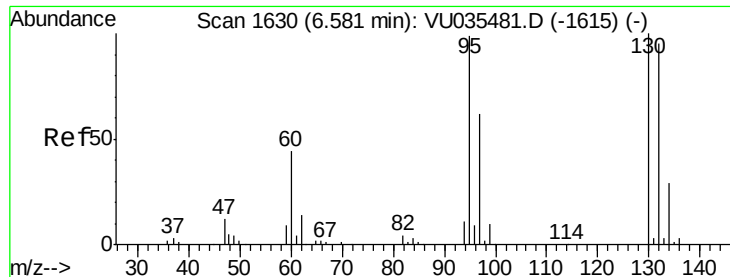
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tgt Ion:117 Resp: 320954
Ion Ratio Lower Upper
117 100
119 95.6 76.3 114.5



#33
Benzene
Concen: 12.608 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08
Tgt Ion: 78 Resp: 967264





#34

Trichloroethene

Concen: 11.661 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

Tgt Ion: 95 Resp: 235082

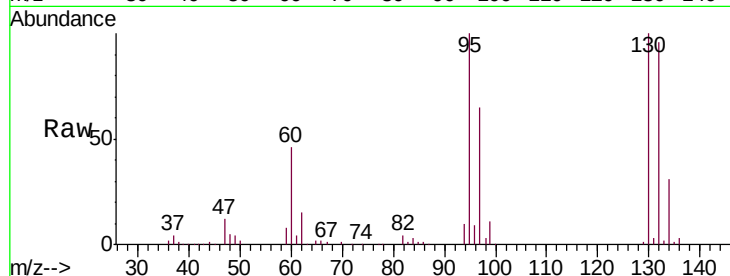
Ion Ratio Lower Upper

95 100

97 65.5 43.8 81.4

132 95.6 67.3 124.9

130 99.9 70.6 131.2



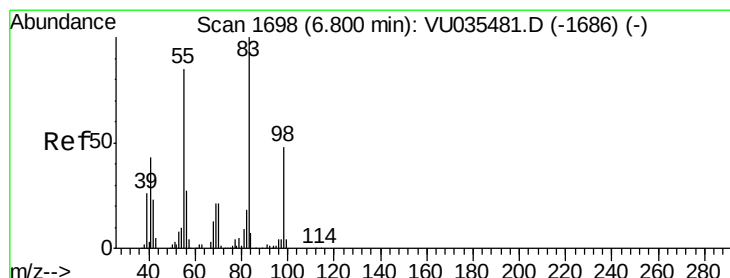
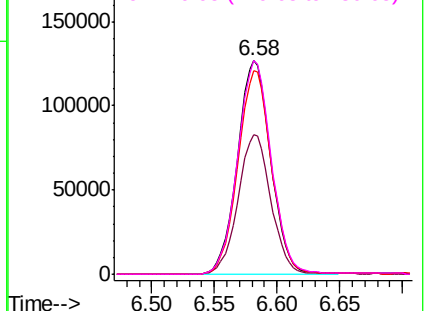
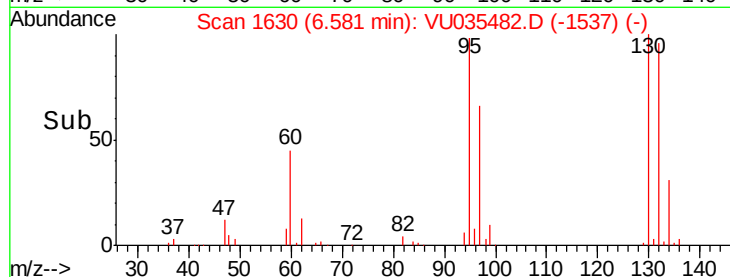
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 12.056 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

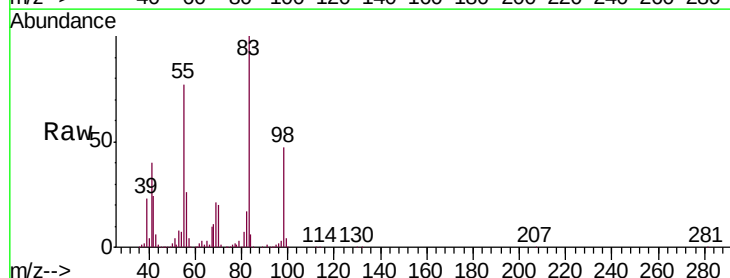
Tgt Ion: 83 Resp: 398423

Ion Ratio Lower Upper

83 100

55 79.2 67.3 100.9

98 47.0 39.0 58.6

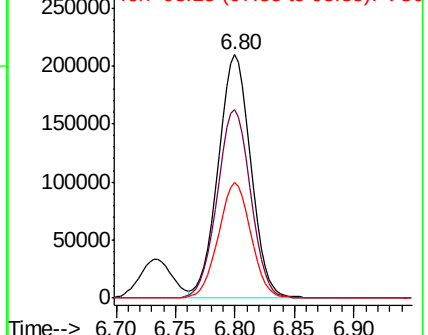
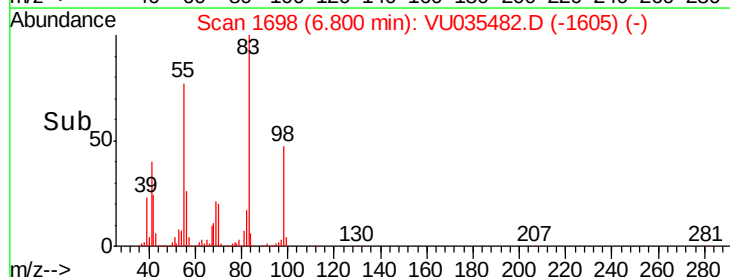


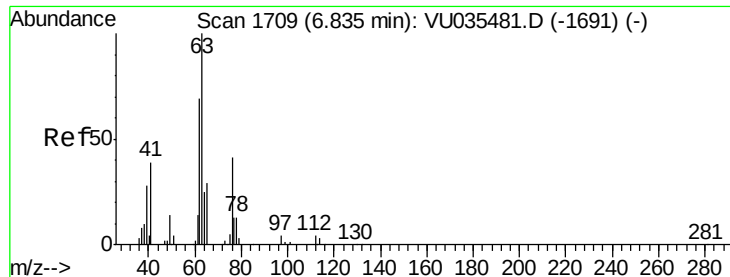
Abundance

Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

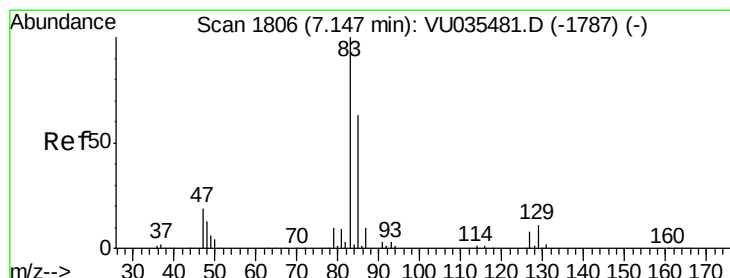
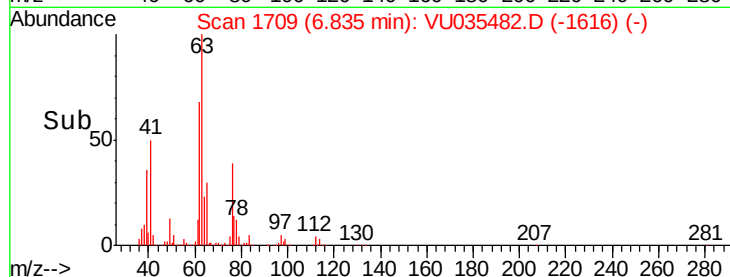
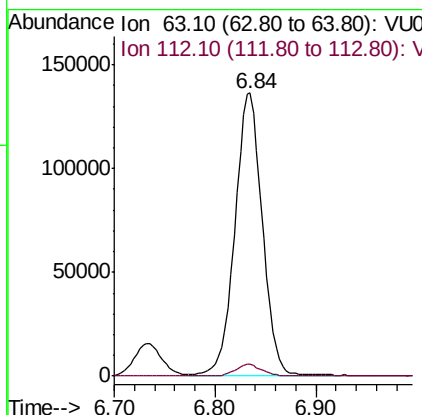
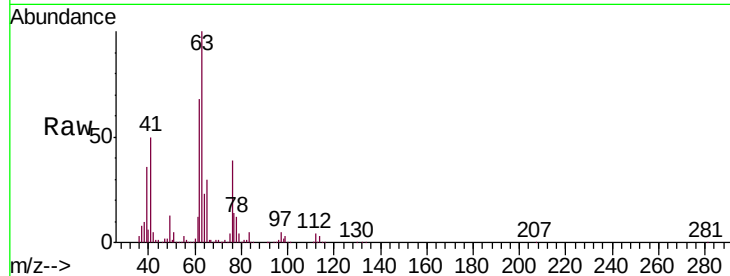




#37
 1,2-Dichloropropane
 Concen: 13.053 ug/L
 RT: 6.84 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: VU035482.D
 Acq: 25 Oct 2019 12:08

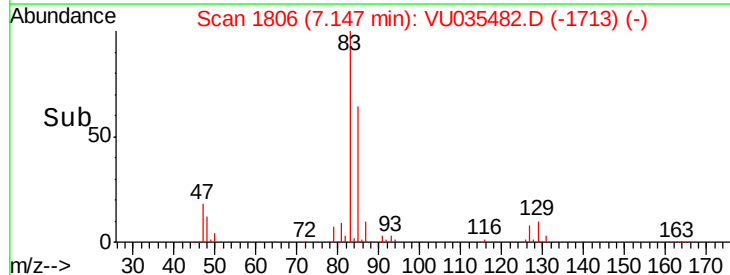
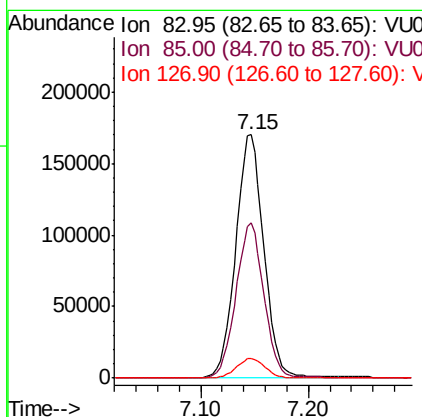
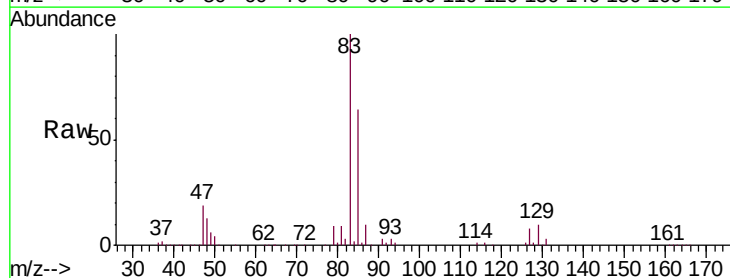
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

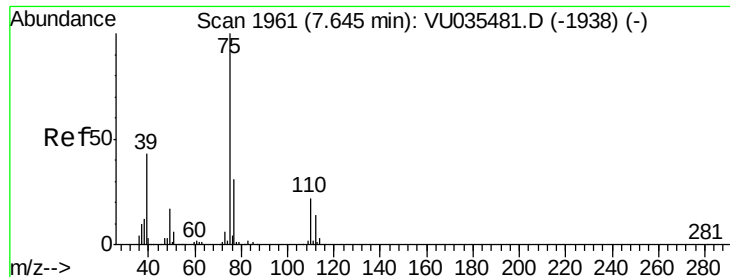
Tgt Ion: 63 Resp: 255843
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.6 5.4



#38
 Bromodichloromethane
 Concen: 11.970 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VU035482.D
 Acq: 25 Oct 2019 12:08

Tgt Ion: 83 Resp: 309807
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.2 82.2
 127 8.2 6.6 9.8

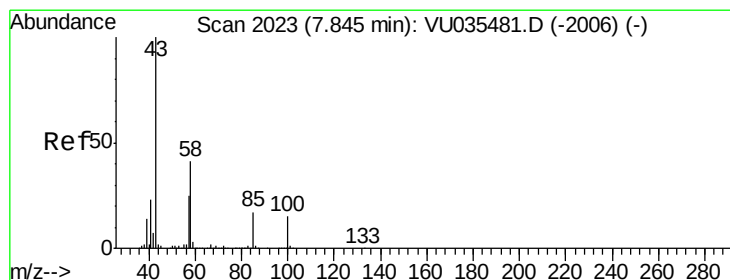
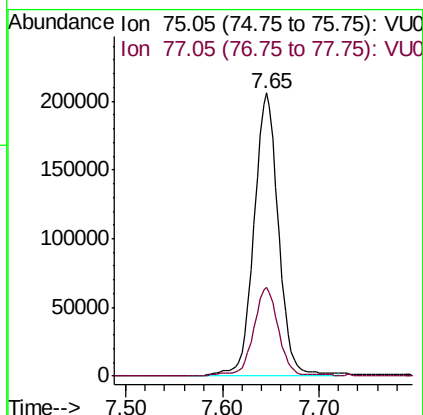
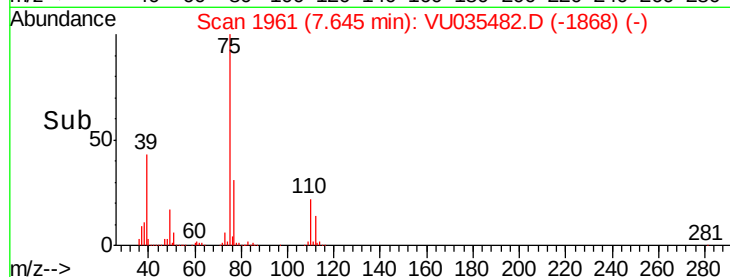
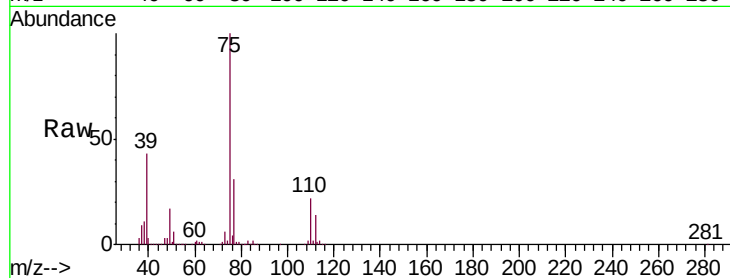




#39
 cis-1,3-Dichloropropene
 Concen: 11.543 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035482.D
 Acq: 25 Oct 2019 12:08

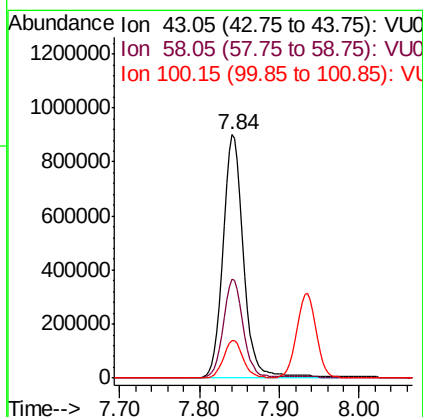
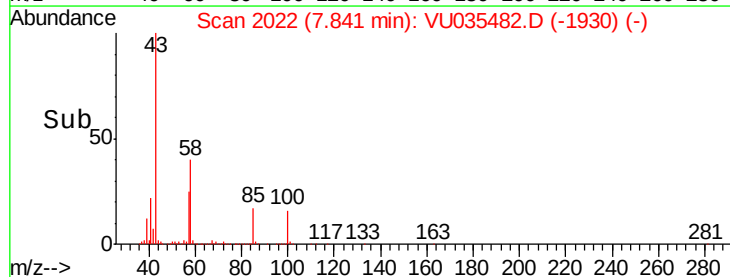
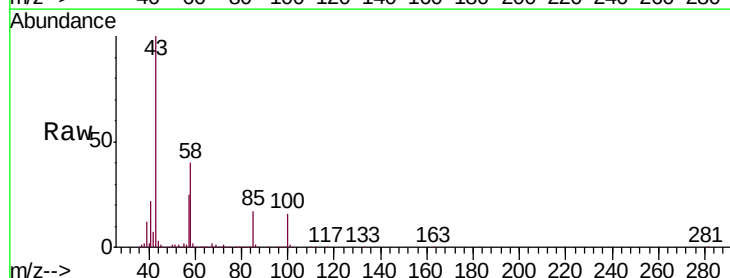
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

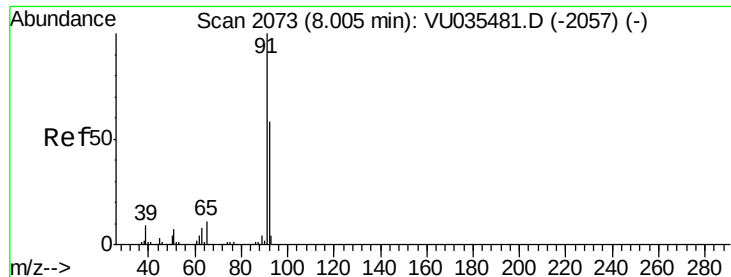
Tgt Ion: 75 Resp: 362925
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 123.386 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. -0.00 min
 Lab File: VU035482.D
 Acq: 25 Oct 2019 12:08

Tgt Ion: 43 Resp: 1603445
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.6 47.4
 100 15.1 11.8 17.8





#42

Toluene

Concen: 12.228 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

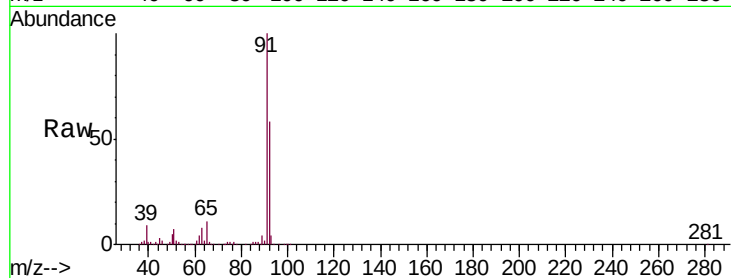
VSTD01004

Tgt Ion: 91 Resp: 1025080

Ion Ratio Lower Upper

91 100

92 58.0 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU035481.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035481.D (-2057) (-)

8.01

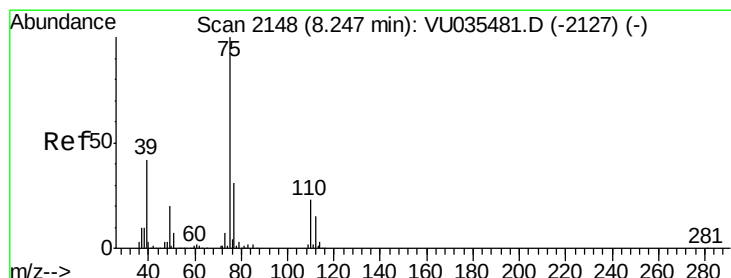
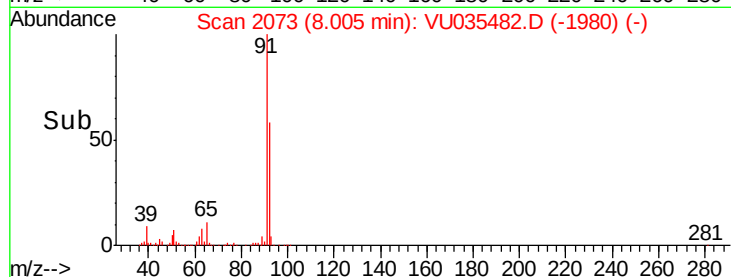
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 11.650 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035482.D

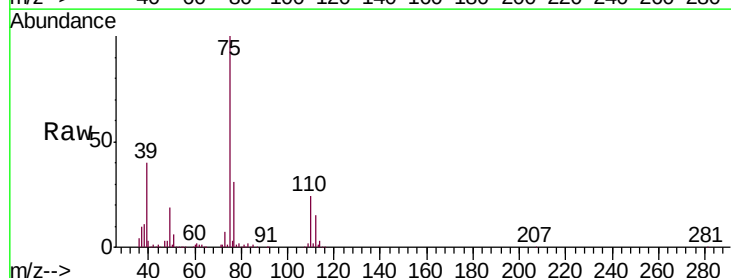
Acq: 25 Oct 2019 12:08

Tgt Ion: 75 Resp: 298579

Ion Ratio Lower Upper

75 100

77 31.1 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU035481.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU035481.D (-2127) (-)

8.25

200000

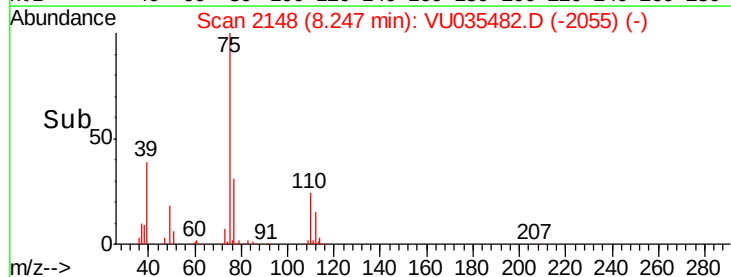
150000

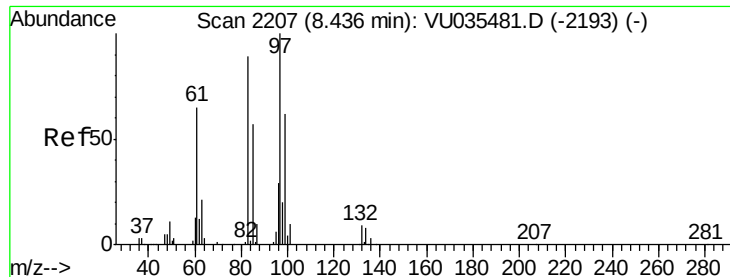
100000

50000

0

Time-->

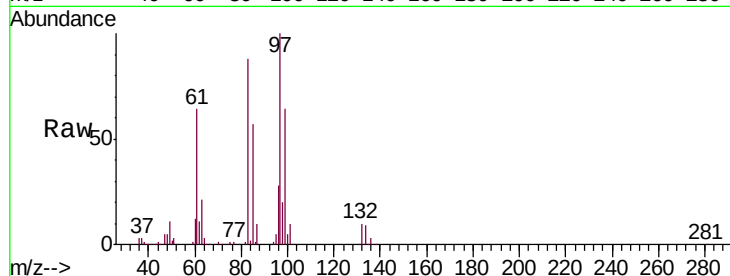




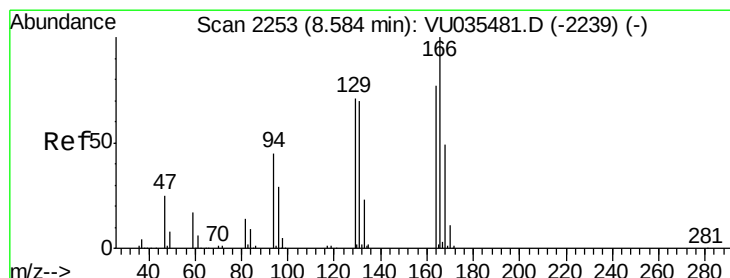
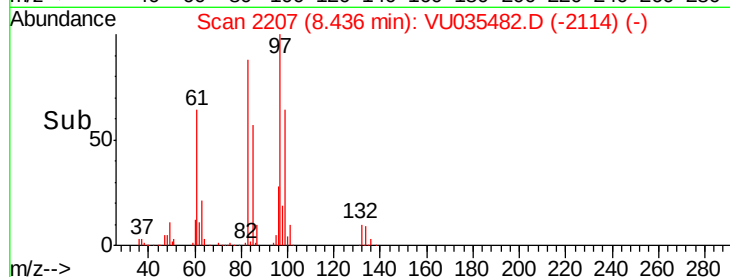
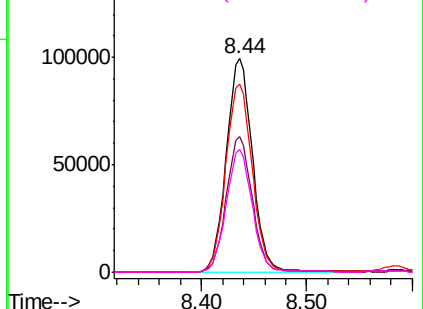
#45
 1,1,2-Trichloroethane
 Concen: 11.977 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035482.D
 Acq: 25 Oct 2019 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tgt Ion:	97	Resp:	171064
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.6	81.0
83	88.2	62.3	115.7
85	57.5	40.0	74.4

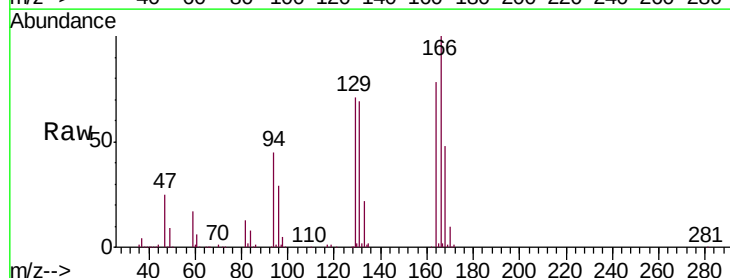


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

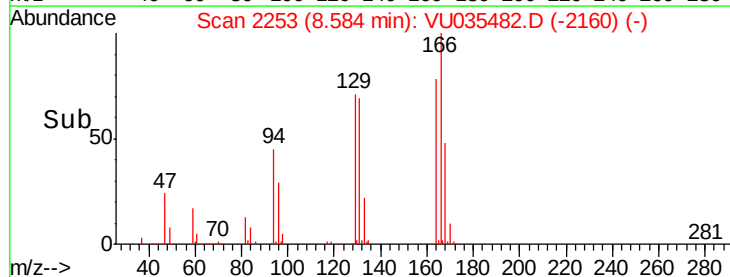
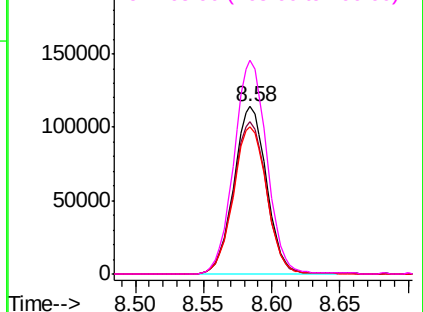


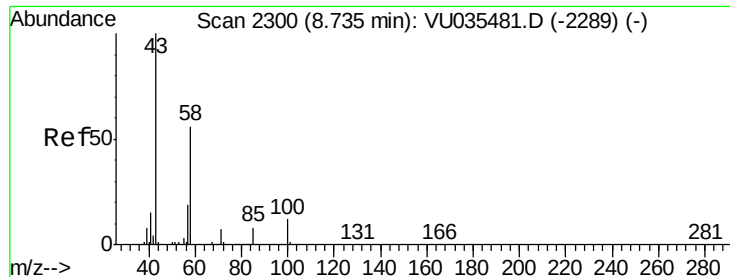
#47
 Tetrachloroethene
 Concen: 11.370 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035482.D
 Acq: 25 Oct 2019 12:08

Tgt Ion:	164	Resp:	190237
Ion	Ratio	Lower	Upper
164	100		
129	90.7	64.6	120.0
131	88.0	63.1	117.3
166	127.7	90.4	168.0



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

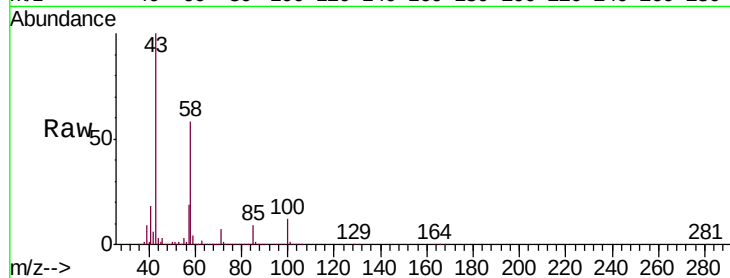




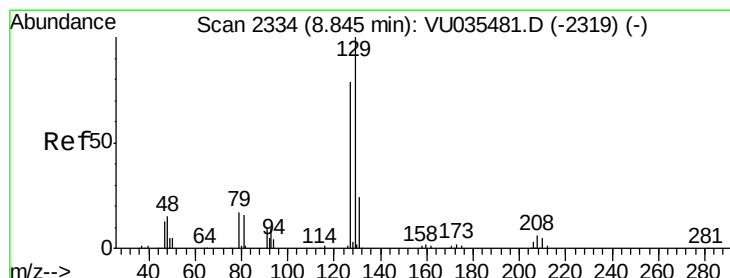
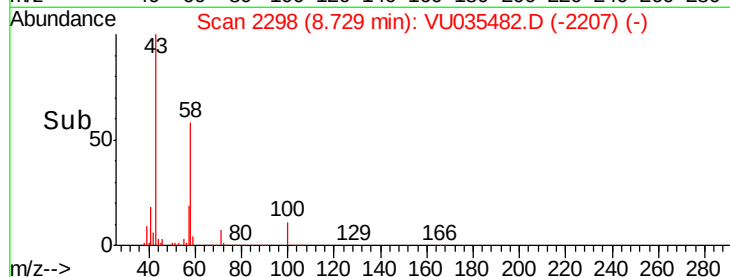
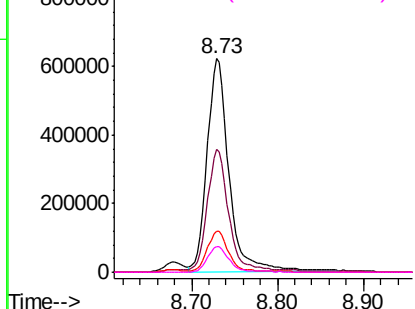
#48
2-Hexanone
Concen: 120.344 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.01 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tgt Ion: 43 Resp: 1100154
Ion Ratio Lower Upper
43 100
58 57.2 43.1 64.7
57 19.0 14.2 21.2
100 12.2 9.0 13.4

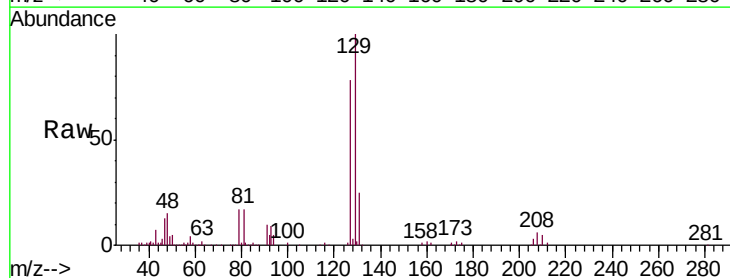


Abundance Ion 43.05 (42.75 to 43.75): VU035482.D (-2298) (-)
Ion 58.05 (57.75 to 58.75): VU035482.D (-2298) (-)
Ion 57.20 (56.90 to 57.90): VU035482.D (-2298) (-)
Ion 100.15 (99.85 to 100.85): VU035482.D (-2298) (-)

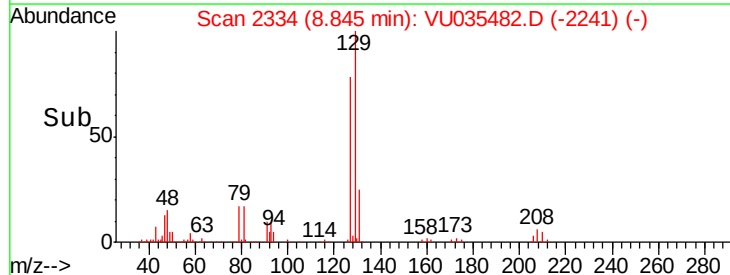
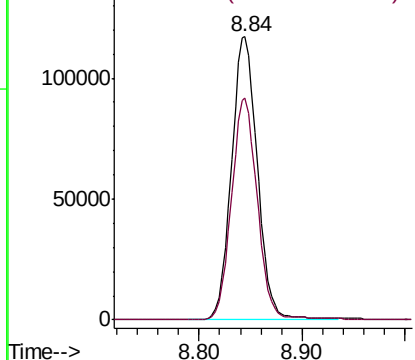


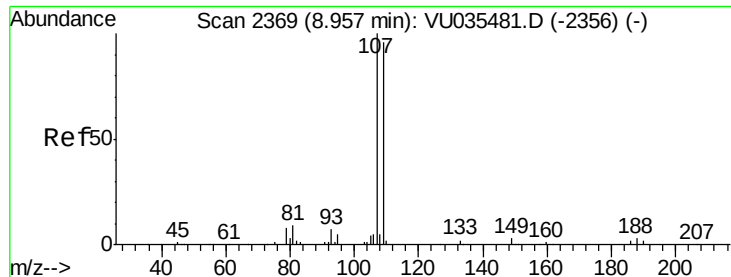
#49
Dibromochloromethane
Concen: 11.548 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 129 Resp: 205359
Ion Ratio Lower Upper
129 100
127 78.4 55.6 103.4



Abundance Ion 128.95 (128.65 to 129.65): VU035482.D (-2334) (-)
Ion 126.90 (126.60 to 127.60): VU035482.D (-2334) (-)

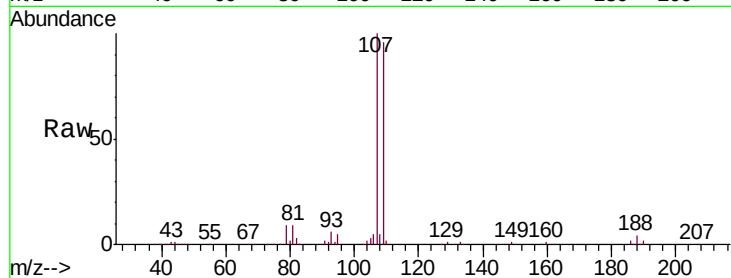




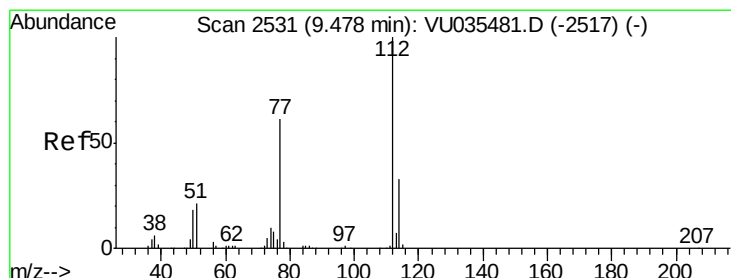
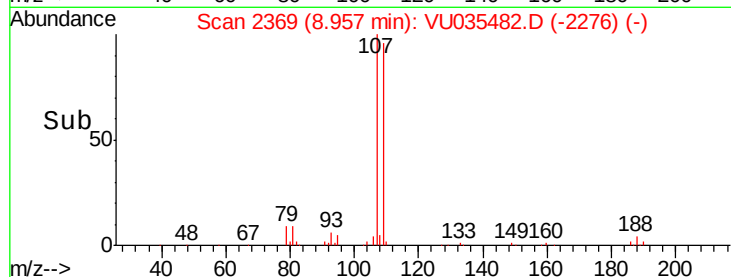
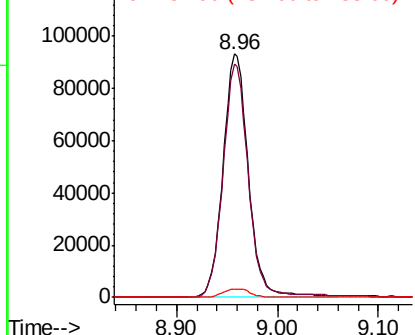
#50
1,2-Dibromoethane
Concen: 11.668 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tgt Ion:107 Resp: 164643
Ion Ratio Lower Upper
107 100
109 96.1 66.9 124.3
188 3.5 2.6 4.0

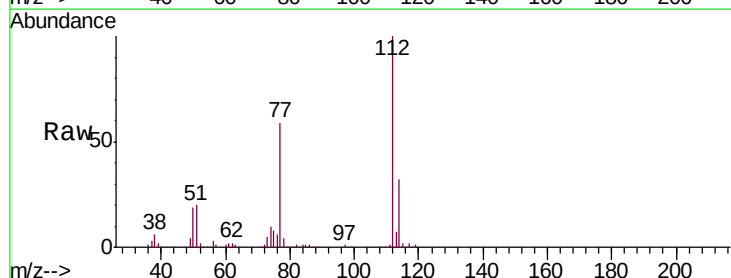


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

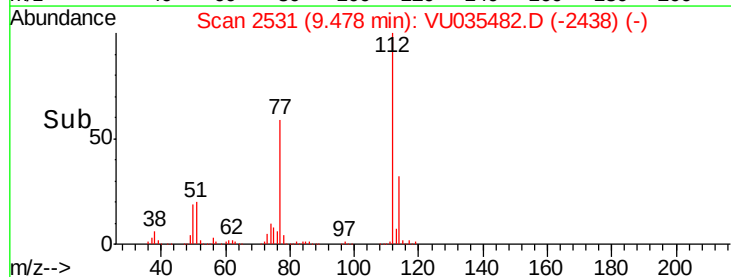
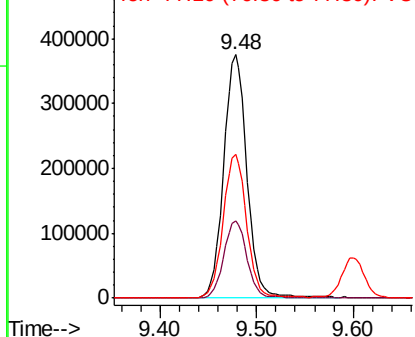


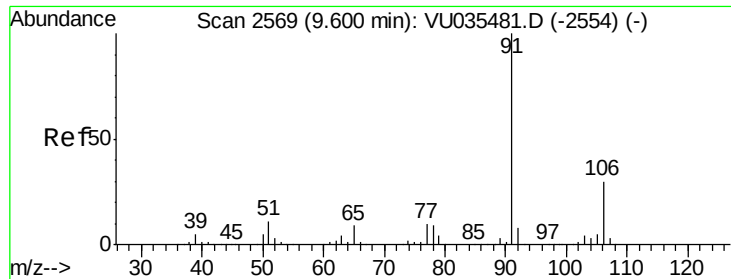
#51
Chlorobenzene
Concen: 11.790 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

Tgt Ion:112 Resp: 629529
Ion Ratio Lower Upper
112 100
114 31.7 22.7 42.3
77 59.1 49.1 73.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 11.857 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

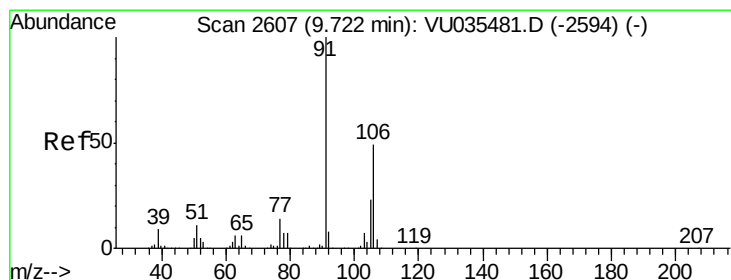
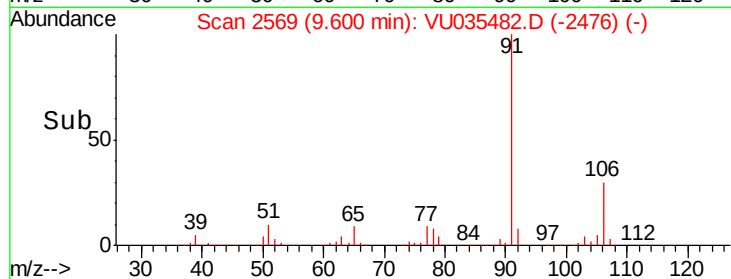
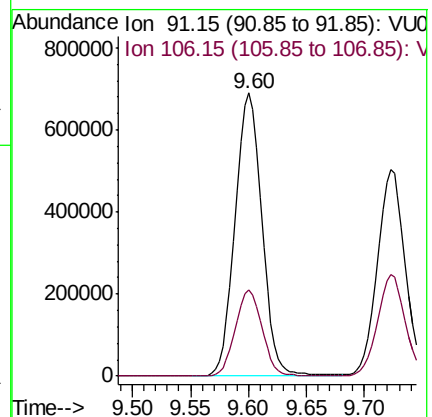
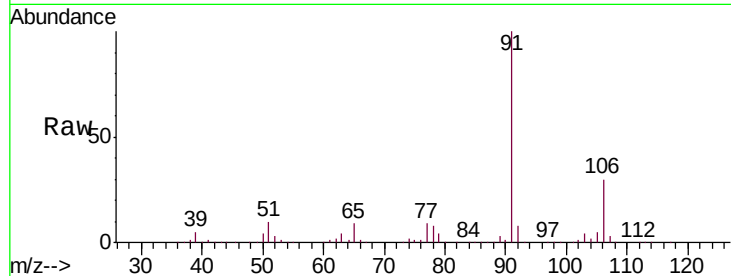
VSTD01004

Tgt Ion: 91 Resp: 1104314

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



#53

m,p-Xylene

Concen: 11.780 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035482.D

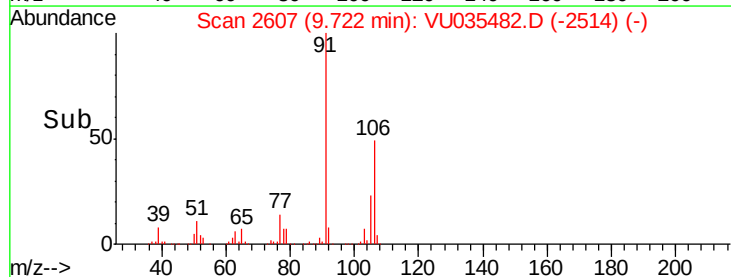
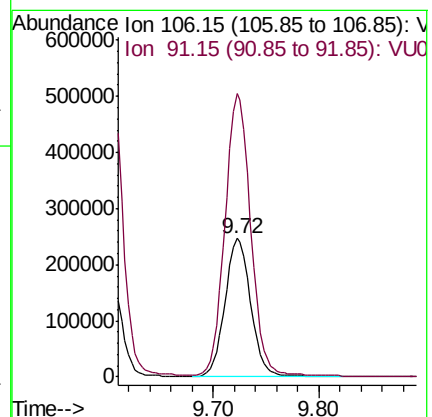
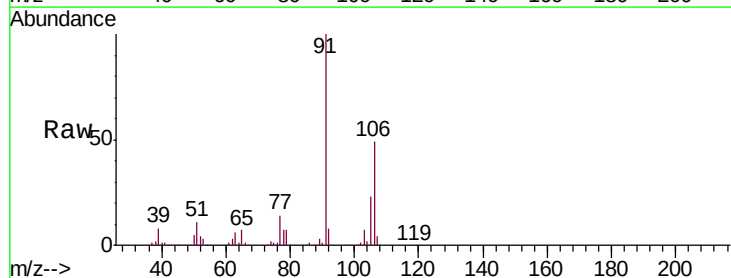
Acq: 25 Oct 2019 12:08

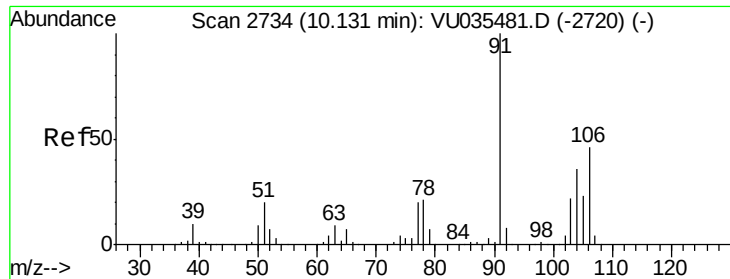
Tgt Ion: 106 Resp: 414183

Ion Ratio Lower Upper

106 100

91 204.2 142.3 264.3

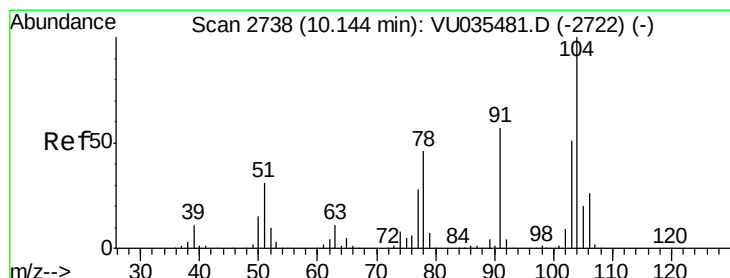
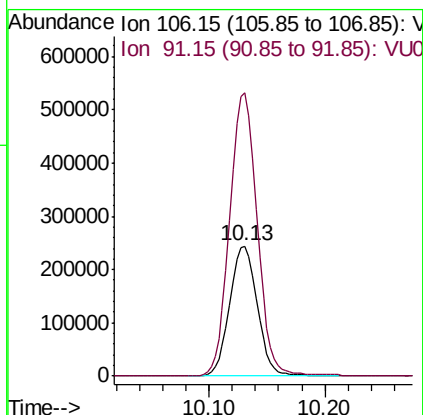
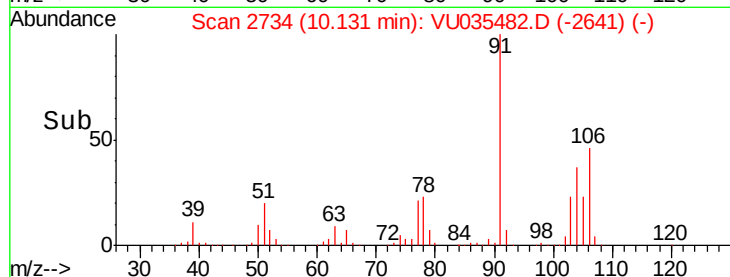
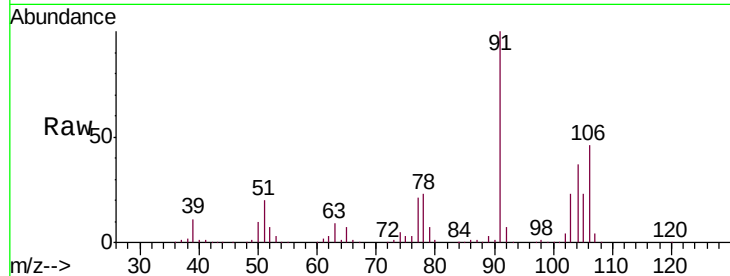




#54
o-Xylene
Concen: 11.723 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

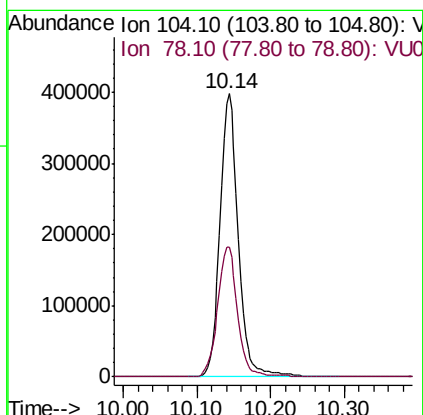
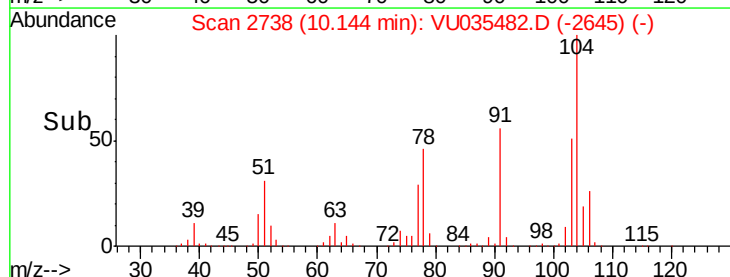
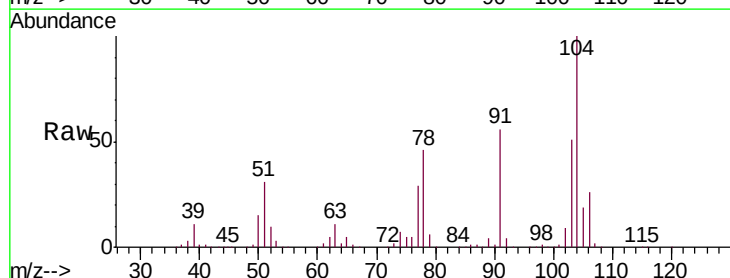
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

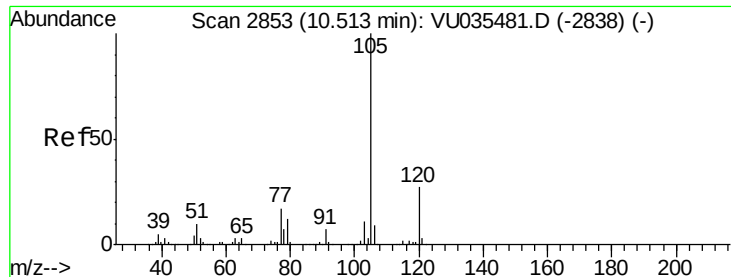
Tgt Ion:106 Resp: 401561
Ion Ratio Lower Upper
106 100
91 218.1 150.8 280.1



#55
Styrene
Concen: 12.195 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035482.D
Acq: 25 Oct 2019 12:08

Tgt Ion:104 Resp: 683335
Ion Ratio Lower Upper
104 100
78 45.9 32.2 59.8





#56

Isopropylbenzene

Concen: 11.576 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

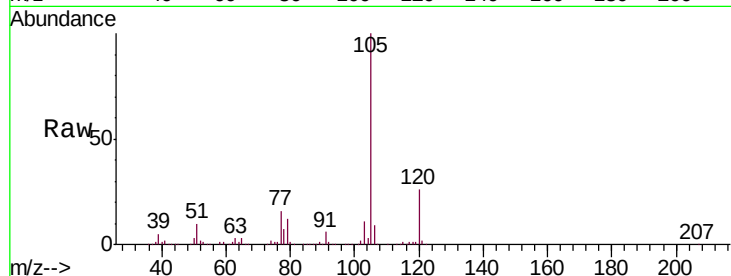
Tgt Ion:105 Resp: 1057112

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

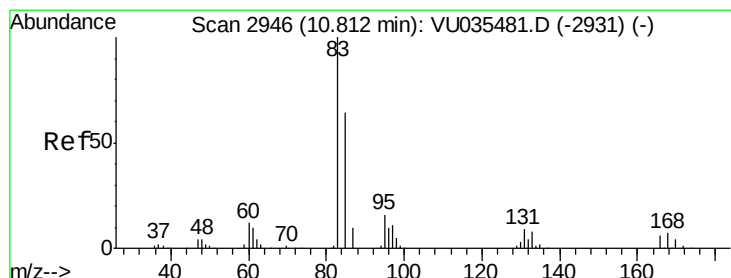
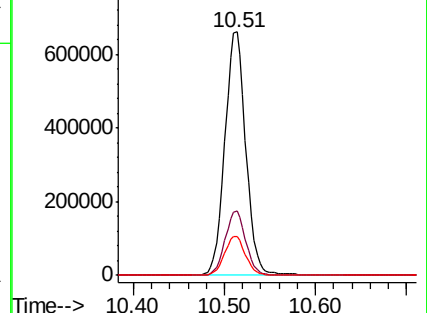
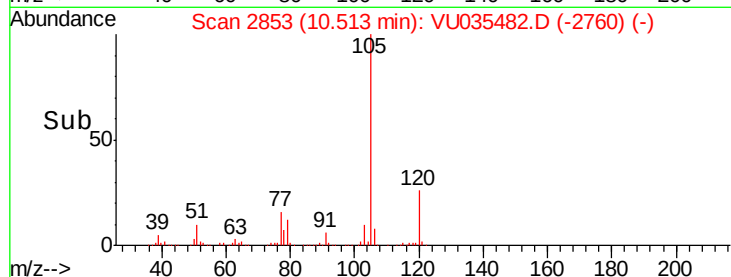
77 16.1 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 12.321 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

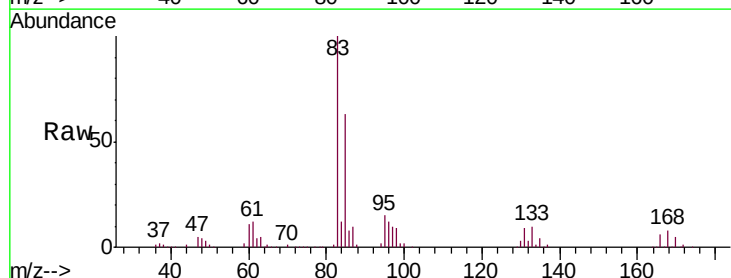
Tgt Ion: 83 Resp: 228693

Ion Ratio Lower Upper

83 100

85 63.4 44.7 83.1

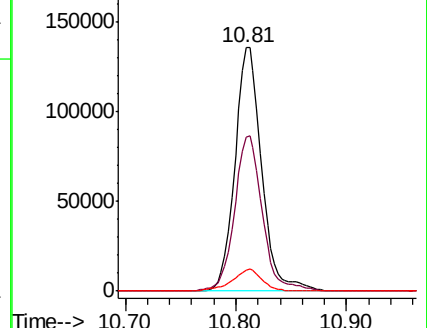
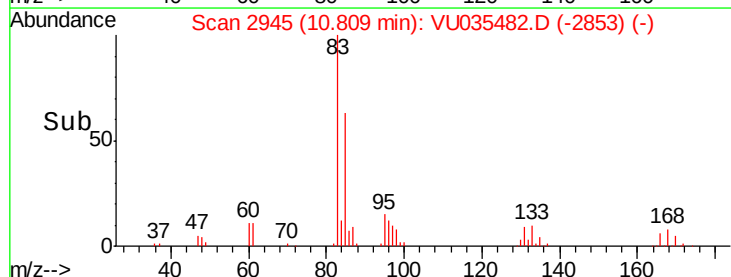
131 8.6 7.4 11.2

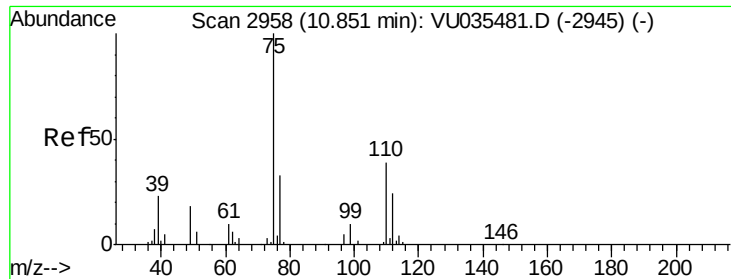


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

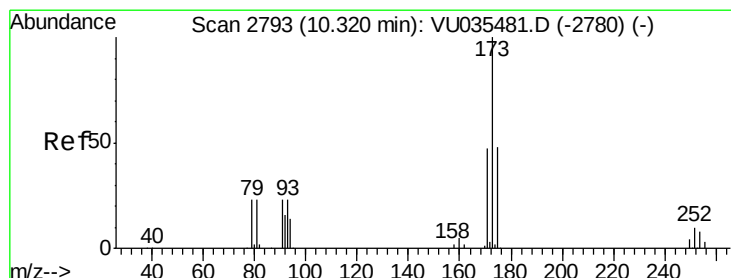
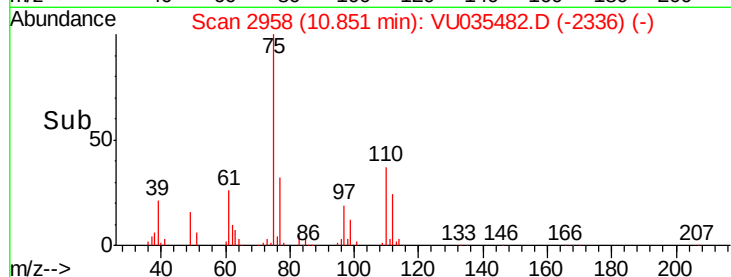
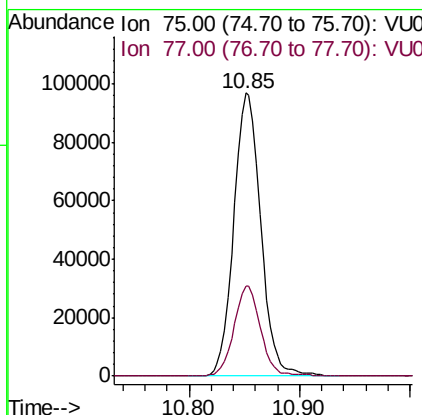
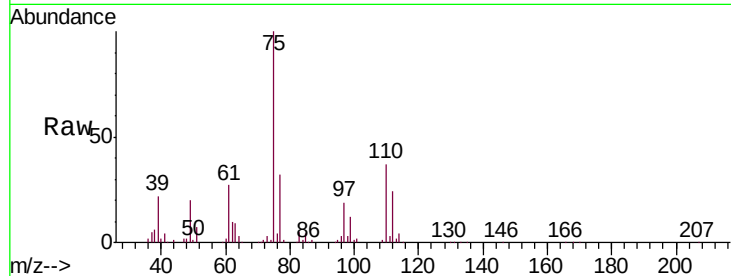




#59
 1,2,3-Trichloropropane
 Concen: 12.364 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. 0.00 min
 Lab File: VU035482.D
 Acq: 25 Oct 2019 12:08

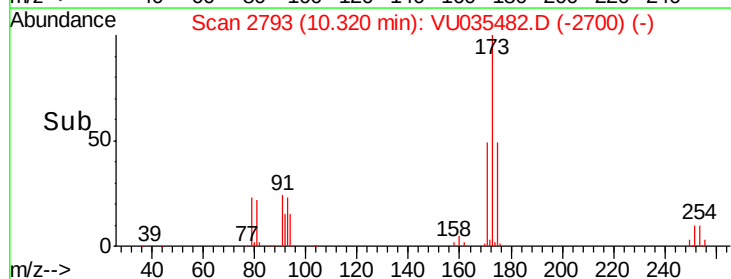
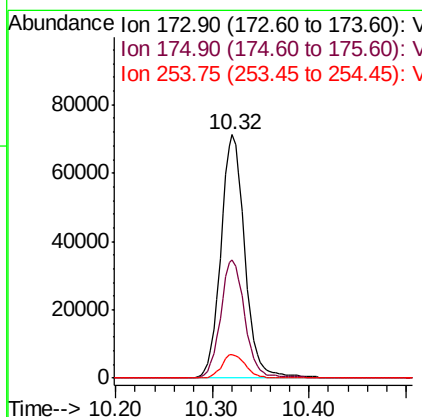
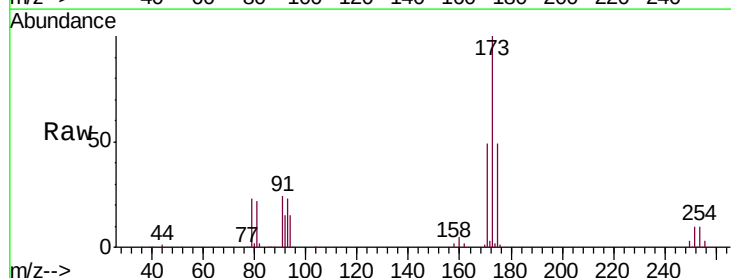
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

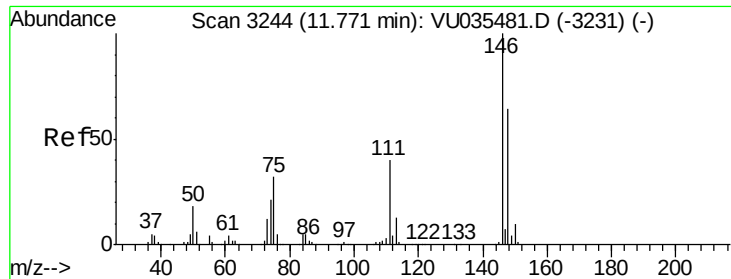
Tgt Ion: 75 Resp: 164721
 Ion Ratio Lower Upper
 75 100
 77 30.6 27.4 41.0



#61
 Bromoform
 Concen: 9.374 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU035482.D
 Acq: 25 Oct 2019 12:08

Tgt Ion: 173 Resp: 122831
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.1 58.7
 254 9.7 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 9.533 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

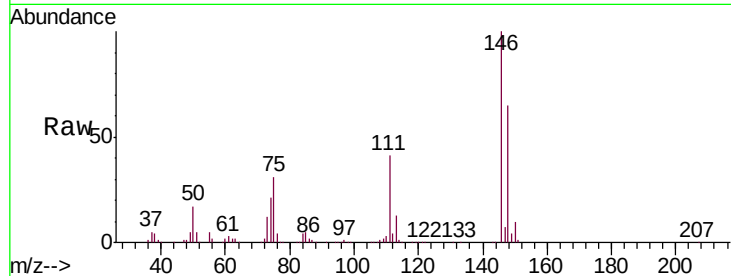
Tgt Ion:146 Resp: 466091

Ion Ratio Lower Upper

146 100

111 40.9 28.1 52.3

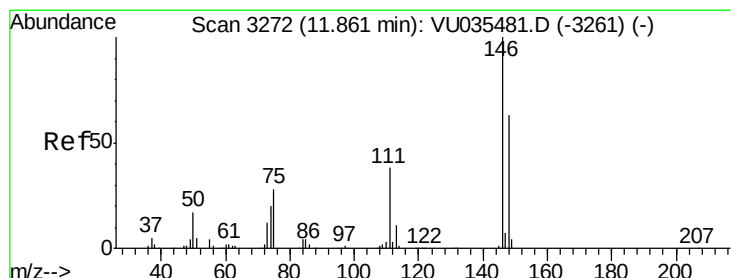
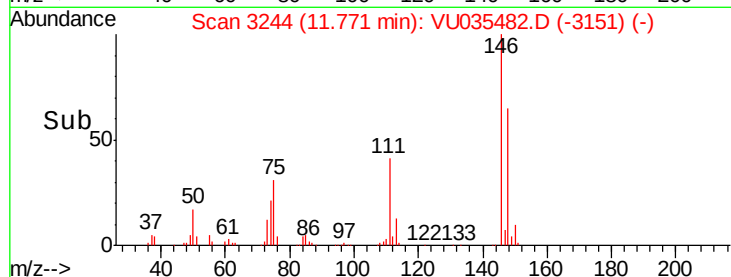
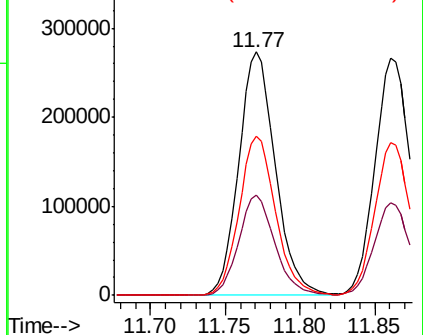
148 65.4 44.8 83.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.502 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

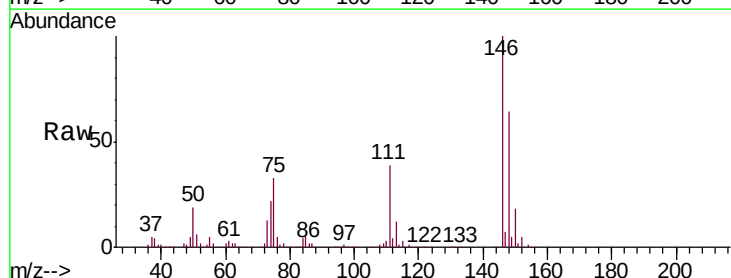
Tgt Ion:146 Resp: 456305

Ion Ratio Lower Upper

146 100

111 38.9 26.9 49.9

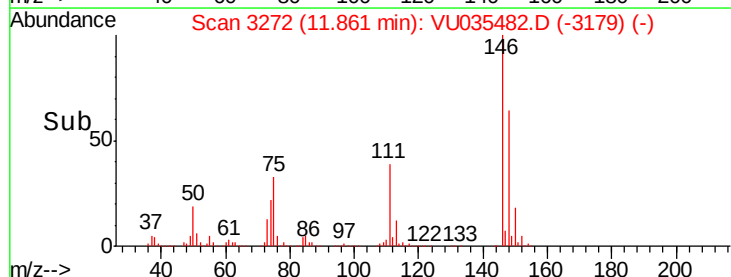
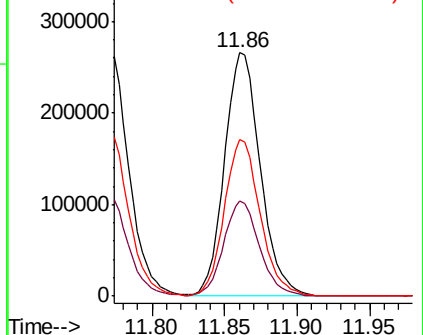
148 64.2 44.2 82.2

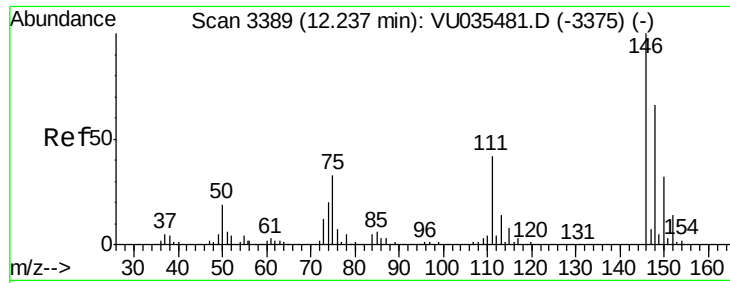


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

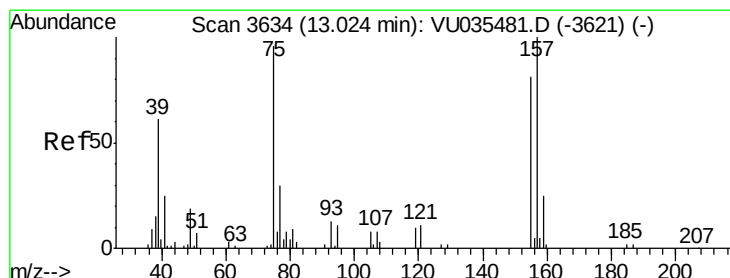
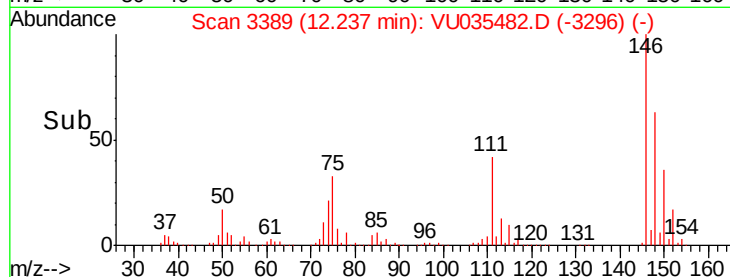
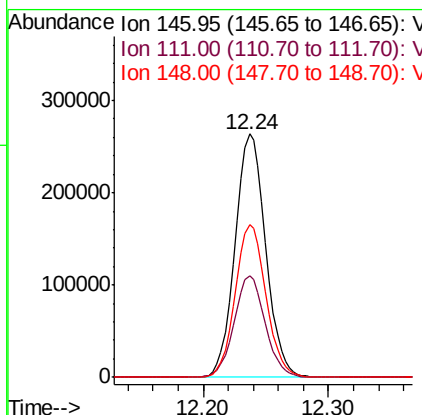
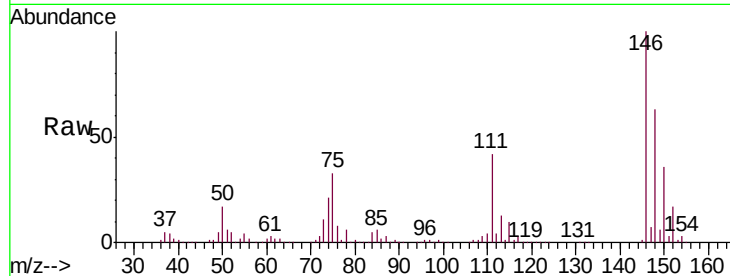




#65
 1,2-Dichlorobenzene
 Concen: 9.727 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU035482.D
 Acq: 25 Oct 2019 12:08

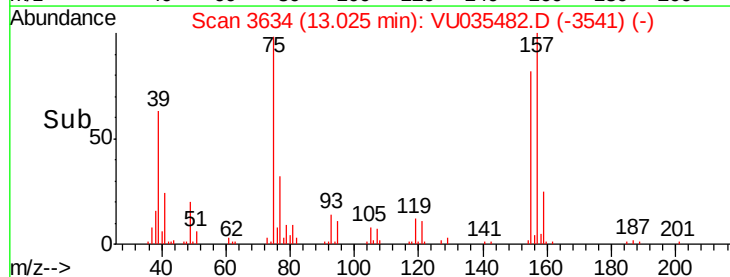
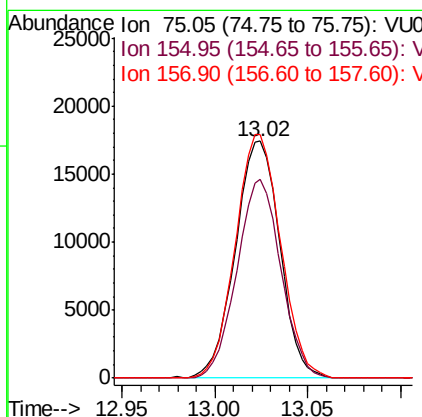
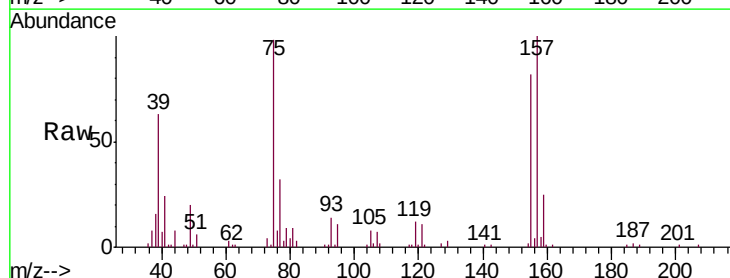
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

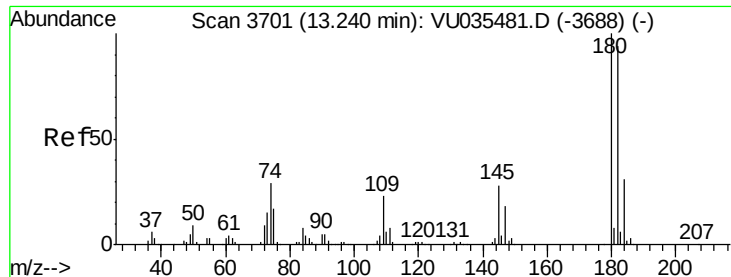
Tgt Ion: 146 Resp: 446042
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.4 50.2
 148 62.6 52.7 79.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.982 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.00 min
 Lab File: VU035482.D
 Acq: 25 Oct 2019 12:08

Tgt Ion: 75 Resp: 29129
 Ion Ratio Lower Upper
 75 100
 155 83.7 67.1 100.7
 157 102.5 83.4 125.2

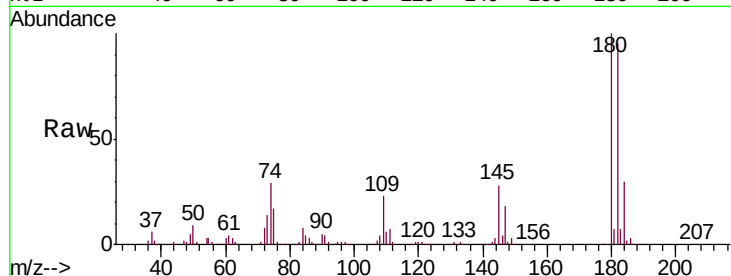




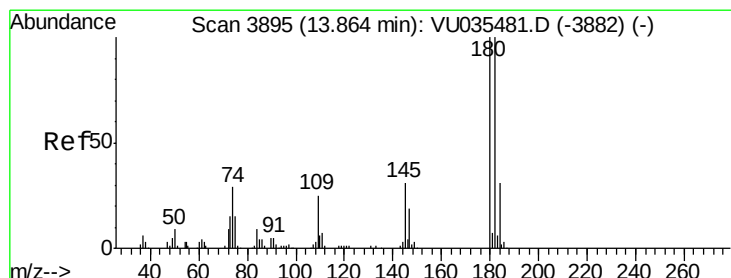
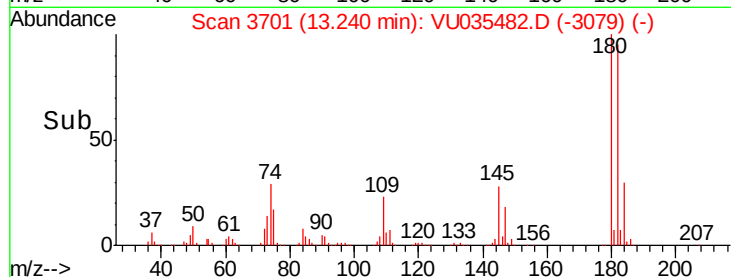
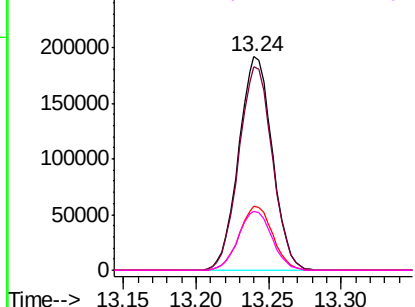
#67
 1,3,5-Trichlorobenzene
 Concen: 10.123 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035482.D
 Acq: 25 Oct 2019 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tgt Ion:	180	Resp:	308937
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.3	112.9
184	30.0	25.1	37.7
145	27.7	21.8	32.8

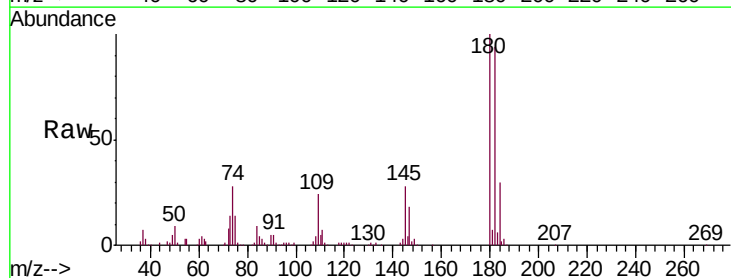


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

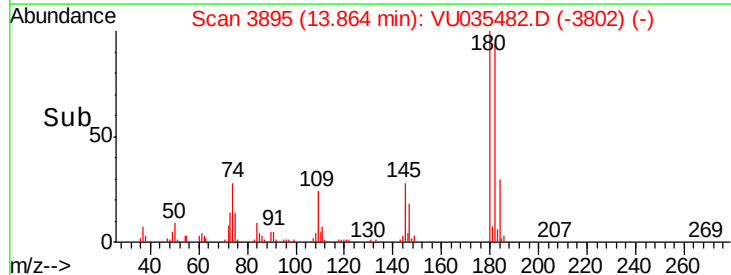
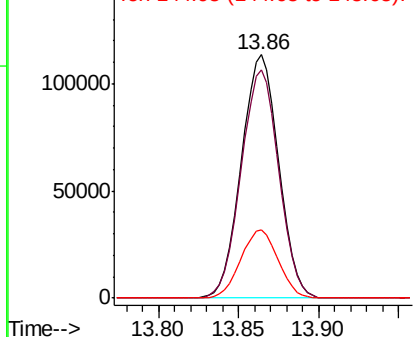


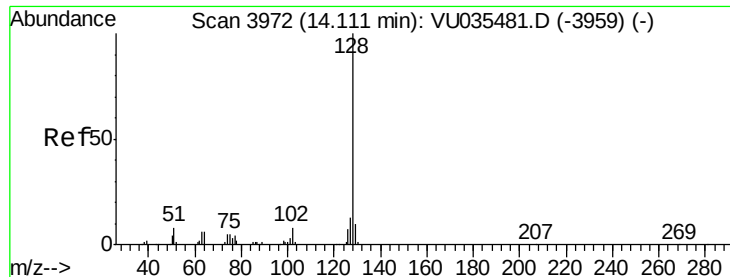
#68
 1,2,4-trichlorobenzene
 Concen: 9.175 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035482.D
 Acq: 25 Oct 2019 12:08

Tgt Ion:	180	Resp:	180776
Ion	Ratio	Lower	Upper
180	100		
182	94.6	78.7	118.1
145	28.1	23.4	35.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 8.829 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

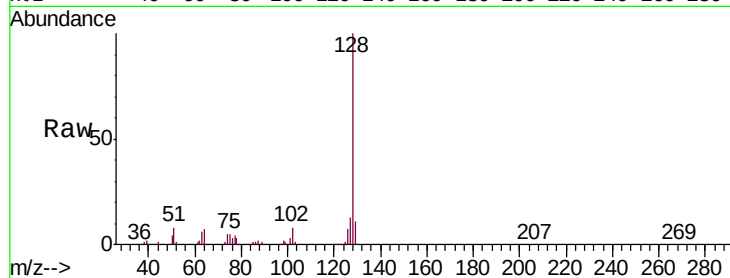
Tgt Ion:128 Resp: 239819

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

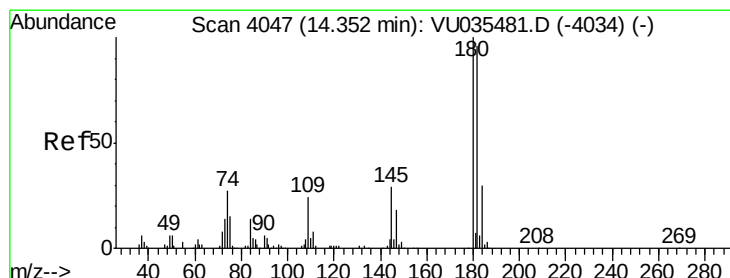
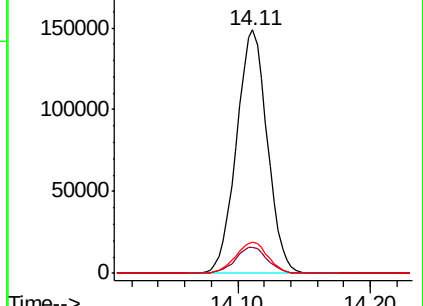
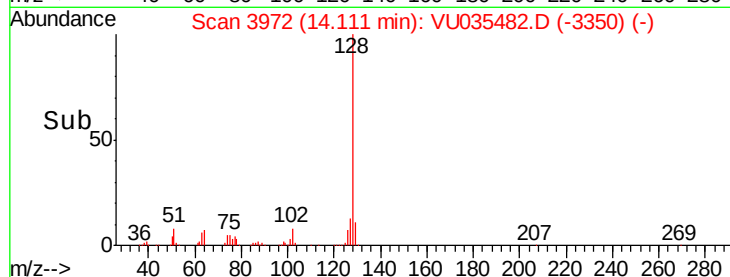
127 13.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 9.518 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035482.D

Acq: 25 Oct 2019 12:08

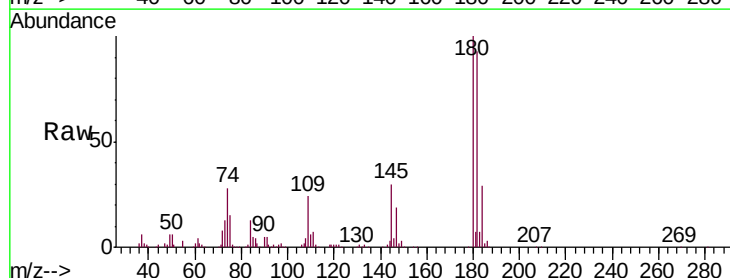
Tgt Ion:180 Resp: 178265

Ion Ratio Lower Upper

180 100

182 94.4 76.6 114.8

145 30.4 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

