

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112719\
 Data File : VU035907.D
 Acq On : 27 Nov 2019 20:13
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 28 05:02:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 28 04:57:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	219687	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	249081	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	138261	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	133509	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.93	69	121181	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.59	63	215749	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	4.69	46	342540	51.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.16%
24) Chloroform-d	5.11	84	238533	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.75	65	127318	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.77	84	445715	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.73	67	150438	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.93	98	411466	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	8.21	79	56955	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.68	63	287623	57.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.86%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	128092	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	140125	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	139903	4.700	ug/L	99
3) Chloromethane	1.54	50	174111	4.751	ug/L	100
5) Vinyl chloride	1.62	62	183033	4.989	ug/L	97
6) Bromomethane	1.87	94	104670	5.551	ug/L	94
8) Chloroethane	1.95	64	115779	5.455	ug/L	97
9) Trichlorofluoromethane	2.16	101	221181	5.192	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	121397	5.017	ug/L	93
12) 1,1-Dichloroethene	2.61	96	107571	4.706	ug/L	89
13) Acetone	2.67	43	242581	41.588	ug/L	96
14) Carbon disulfide	2.82	76	335880	4.424	ug/L	100
15) Methyl Acetate	3.00	43	57835	4.946	ug/L	100
16) Methylene chloride	3.08	84	145362	5.264	ug/L	96
17) Methyl tert-butyl Ether	3.42	73	273394	4.943	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	118215	5.252	ug/L	94
19) 1,1-Dichloroethane	3.92	63	254646	5.036	ug/L	97
21) 2-Butanone	4.77	43	390172	52.861	ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	125873	5.018	ug/L	98

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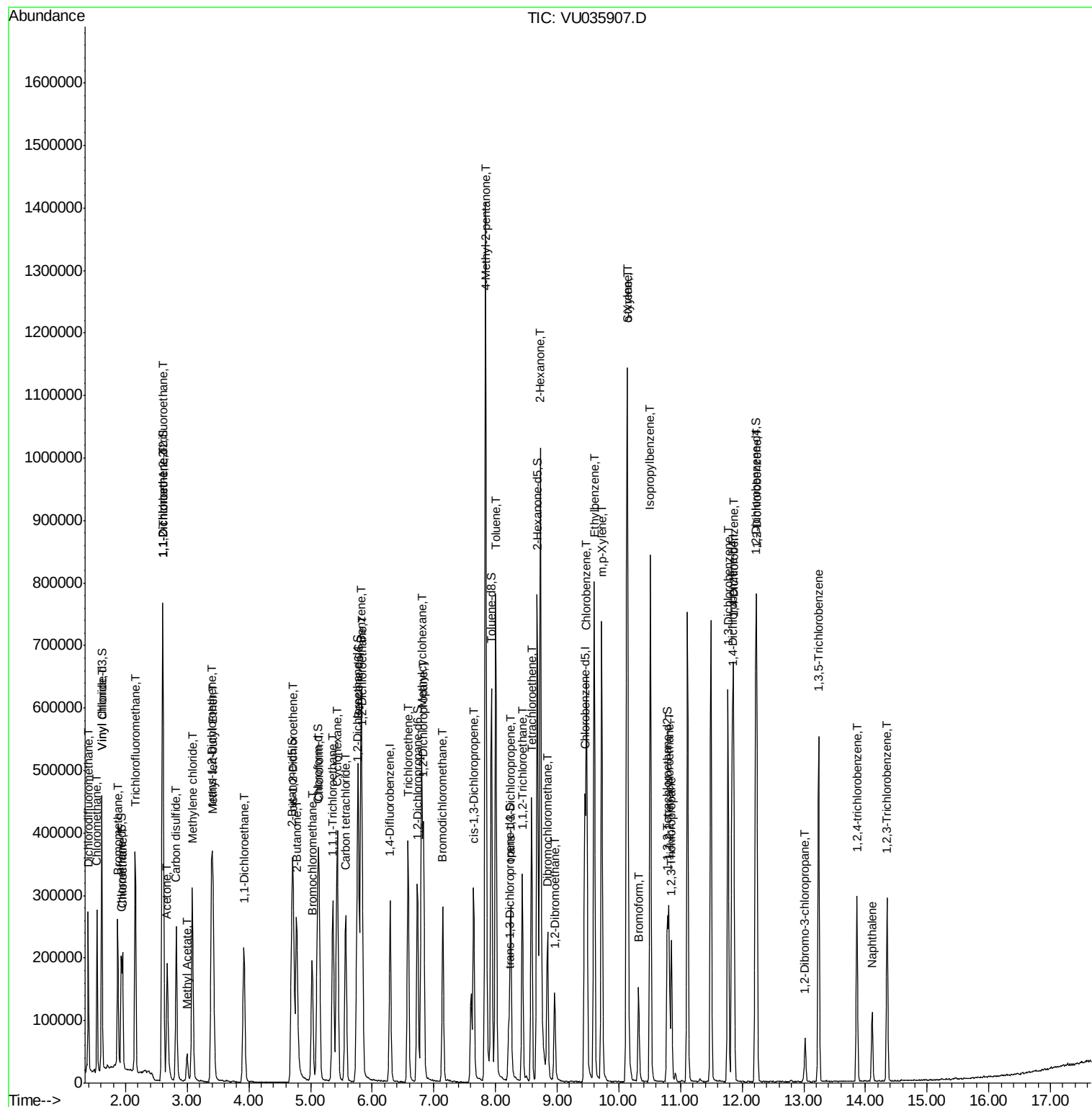
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	59317	5.428	ug/L	96
25) Chloroform	5.14	83	257503	5.233	ug/L	98
27) 1,2-Dichloroethane	5.84	62	164218	5.074	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	206303	5.129	ug/L	98
30) Cyclohexane	5.43	56	185312	4.715	ug/L	97
31) Carbon tetrachloride	5.57	117	180218	5.174	ug/L	99
33) Benzene	5.82	78	542532	5.218	ug/L	100
34) Trichloroethene	6.58	95	132280	5.189	ug/L	96
35) Methylcyclohexane	6.80	83	172030	4.598	ug/L	97
37) 1,2-Dichloropropane	6.83	63	150750	5.112	ug/L	99
38) Bromodichloromethane	7.14	83	180876	5.118	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	185879	4.869	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	935910	51.696	ug/L	99
42) Toluene	8.00	91	563690	5.212	ug/L	97
44) trans-1,3-Dichloropropene	8.25	75	164598	5.200	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	100550	5.233	ug/L	97
47) Tetrachloroethene	8.58	164	100846	5.199	ug/L	94
48) 2-Hexanone	8.73	43	704275	52.839	ug/L	97
49) Dibromochloromethane	8.84	129	120215	5.303	ug/L	98
50) 1,2-Dibromoethane	8.96	107	93047	5.292	ug/L	94
51) Chlorobenzene	9.48	112	334418	4.992	ug/L	99
52) Ethylbenzene	9.60	91	548915	4.908	ug/L	99
53) m,p-Xylene	9.72	106	207958	5.274	ug/L	97
54) o-Xylene	10.13	106	198044	5.172	ug/L	99
55) Styrene	10.14	104	345322	5.437	ug/L	100
56) Isopropylbenzene	10.51	105	521691	5.157	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	133924	5.037	ug/L	96
59) 1,2,3-Trichloropropane	10.85	75	96685	5.043	ug/L	99
61) Bromoform	10.32	173	67010	4.824	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	252980	5.098	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	242726	4.968	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	239853	5.066	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	18978	4.844	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	166164	5.572	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	87836	5.125	ug/L	98
69) Naphthalene	14.11	128	81792	3.389	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	88813	5.329	ug/L	99

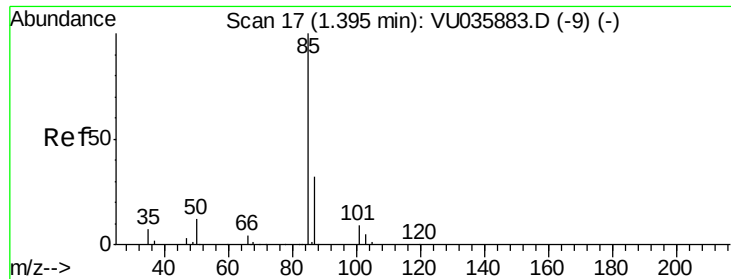
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.700 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

Instrument :

MSVOA_U

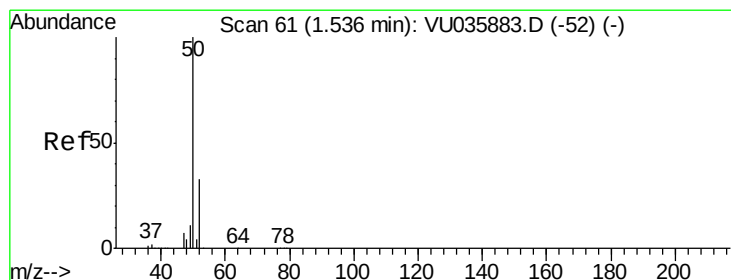
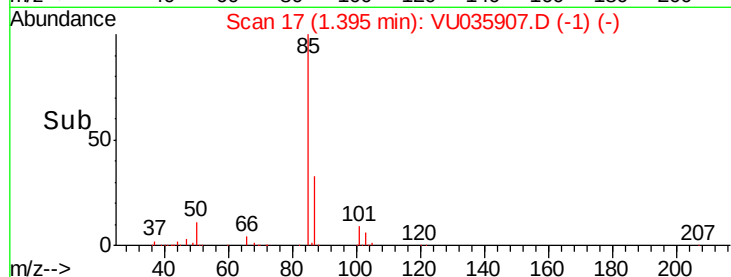
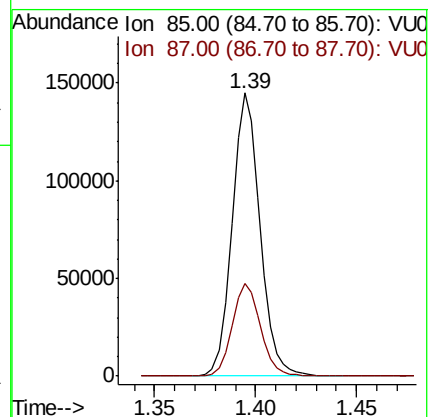
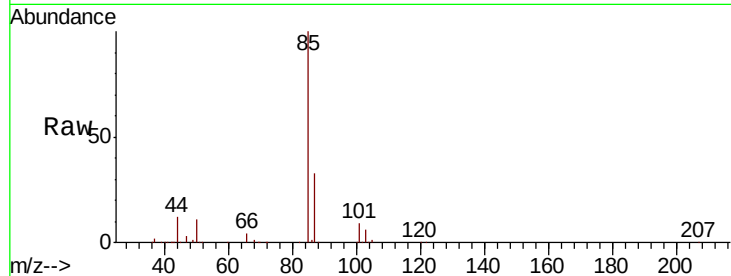
ClientSampleId :

Tot Ion: 85 Resp: 139903

Ion Ratio Lower Upper

85 100

87 33.3 26.2 39.2



#3

Chloromethane

Concen: 4.751 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035907.D

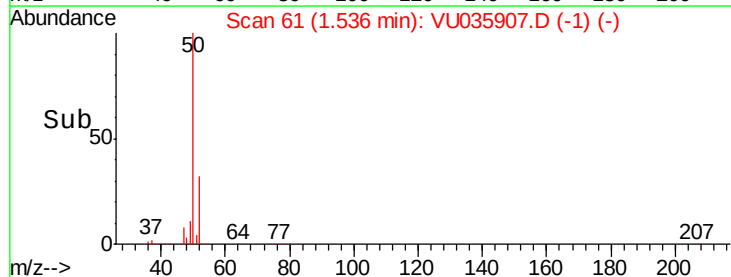
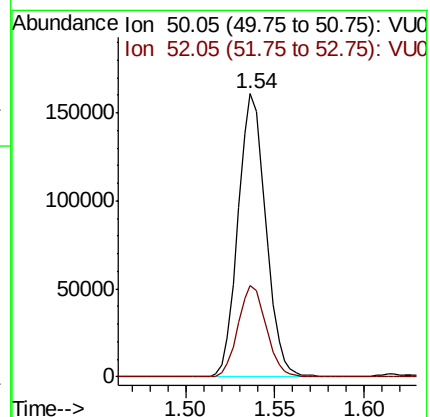
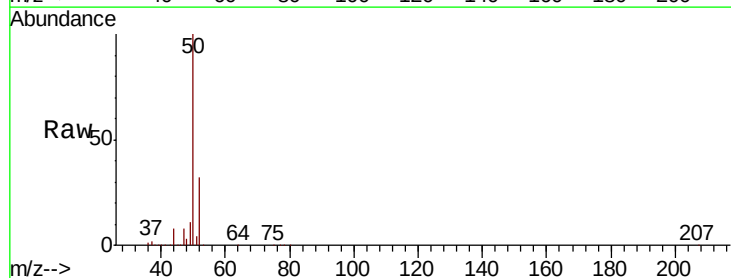
Acq: 27 Nov 2019 20:13

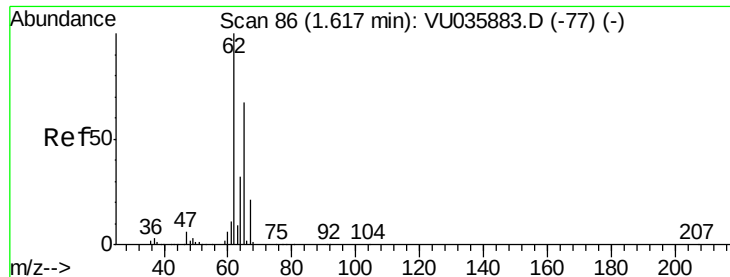
Tgt Ion: 50 Resp: 174111

Ion Ratio Lower Upper

50 100

52 32.2 22.7 42.3





#5

Vinyl chloride

Concen: 4.989 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

Instrument :

MSVOA_U

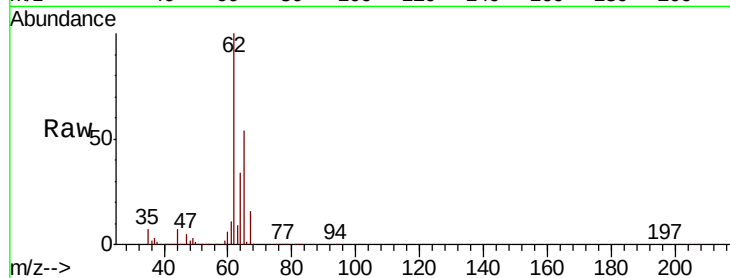
ClientSampleId :

Tot Ion: 62 Resp: 183033

Ion Ratio Lower Upper

62 100

64 33.8 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035883.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035883.D (-77) (-)

1.62

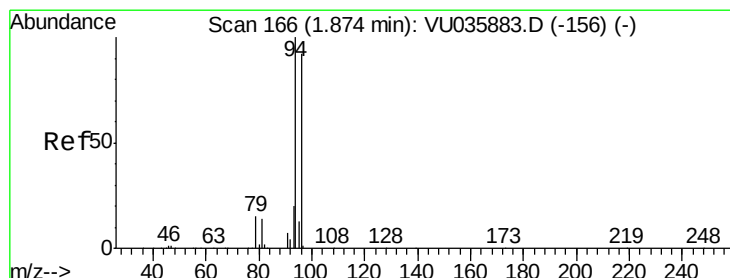
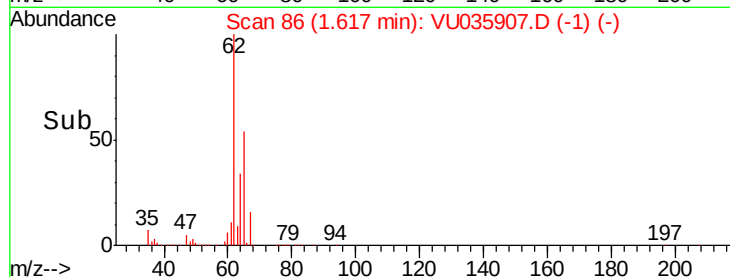
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.551 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035907.D

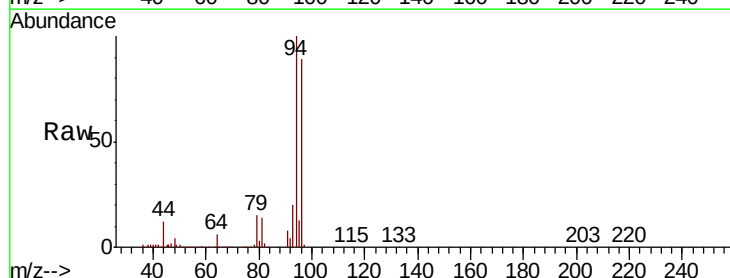
Acq: 27 Nov 2019 20:13

Tgt Ion: 94 Resp: 104670

Ion Ratio Lower Upper

94 100

96 89.1 66.5 123.5



Abundance Ion 94.00 (93.70 to 94.70): VU035883.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035883.D (-156) (-)

1.87

100000

80000

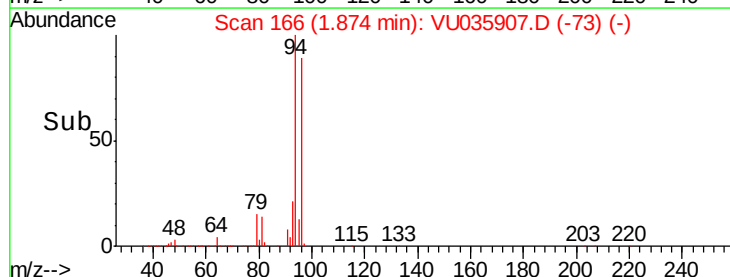
60000

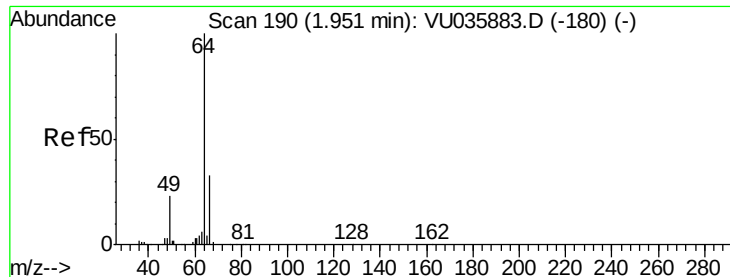
40000

20000

0

Time-->





#8

Chloroethane

Concen: 5.455 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

Instrument :

MSVOA_U

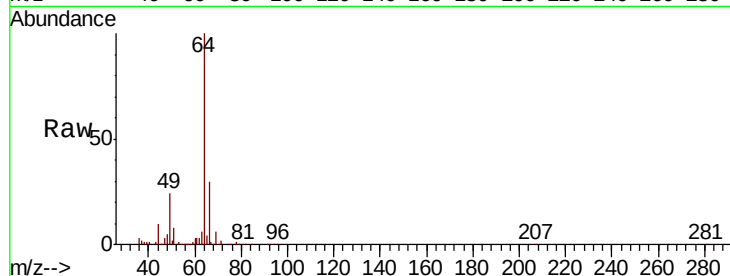
ClientSampled :

Tot Ion: 64 Resp: 115779

Ion Ratio Lower Upper

64 100

66 30.0 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU035883.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU035883.D (-180) (-)

1.95

100000

80000

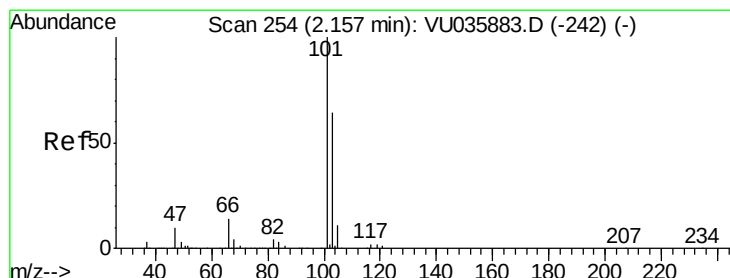
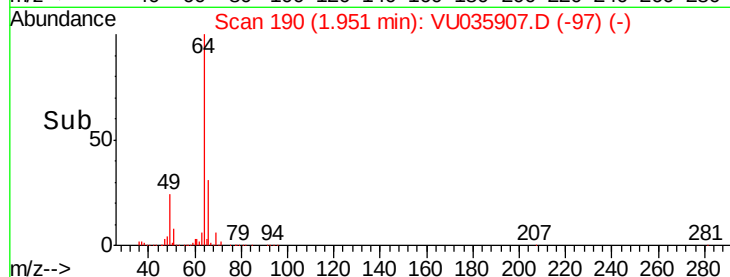
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.192 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU035907.D

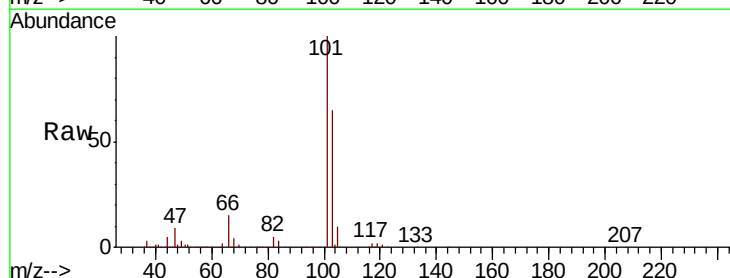
Acq: 27 Nov 2019 20:13

Tgt Ion: 101 Resp: 221181

Ion Ratio Lower Upper

101 100

103 64.8 49.8 74.6



Abundance Ion 101.00 (100.70 to 101.70): VU035883.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU035883.D (-242) (-)

2.16

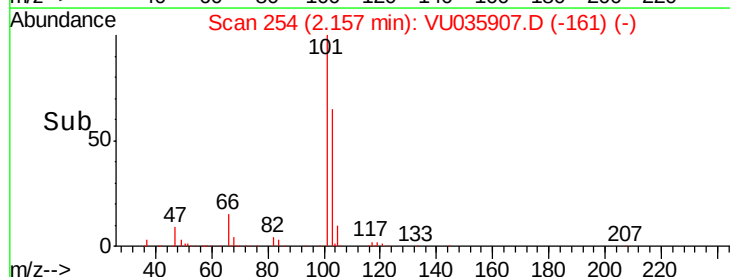
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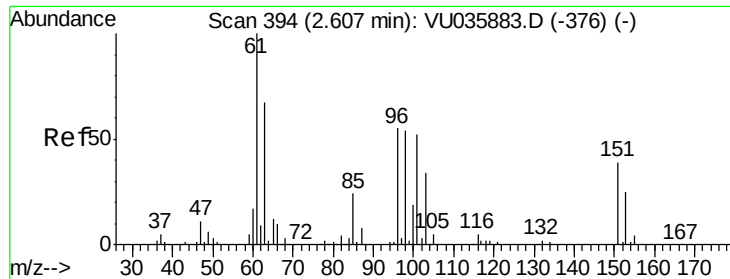
100000

50000

0

Time-->





#10

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

Concen: 5.017 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

Instrument :

MSVOA_U

ClientSampled :

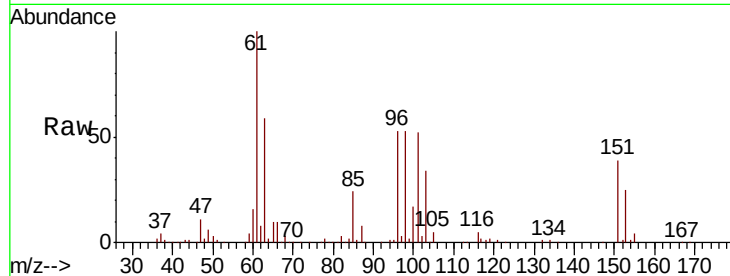
Tot Ion:101 Resp: 121397

Ion Ratio Lower Upper

101 100

85 46.1 38.1 57.1

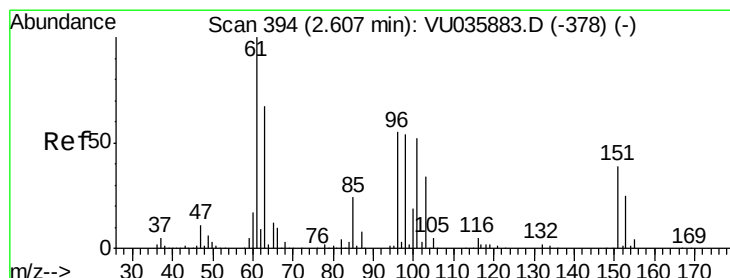
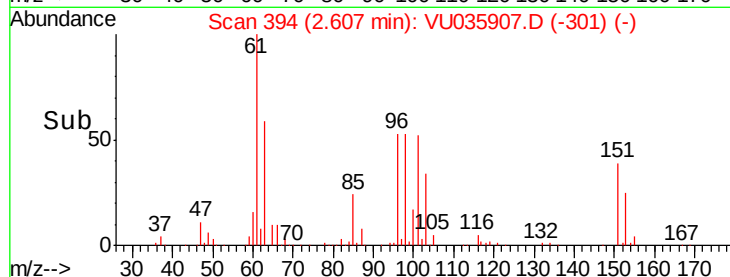
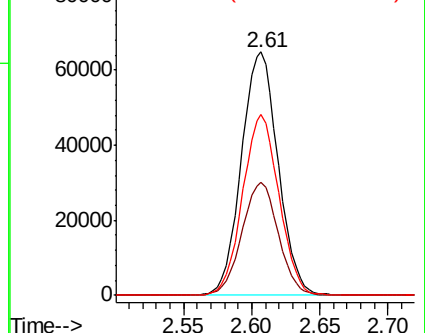
151 73.4 52.0 78.0



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: 4.706 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

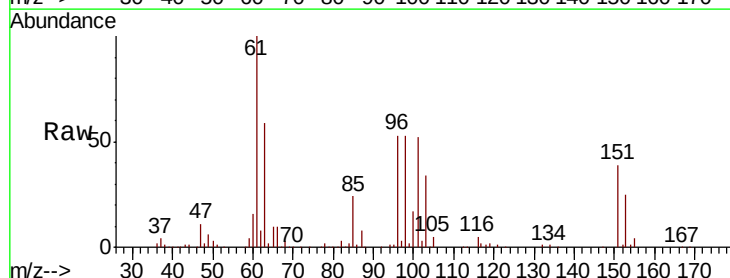
Tgt Ion: 96 Resp: 107571

Ion Ratio Lower Upper

96 100

61 190.3 139.3 258.7

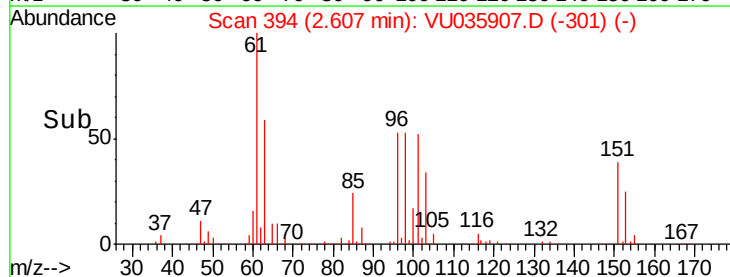
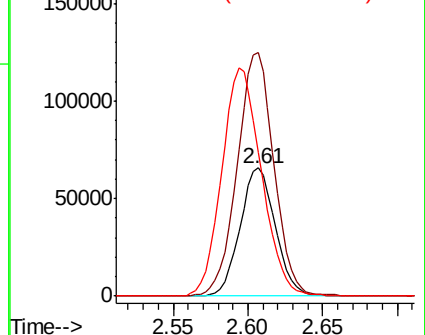
63 112.0 93.7 174.1

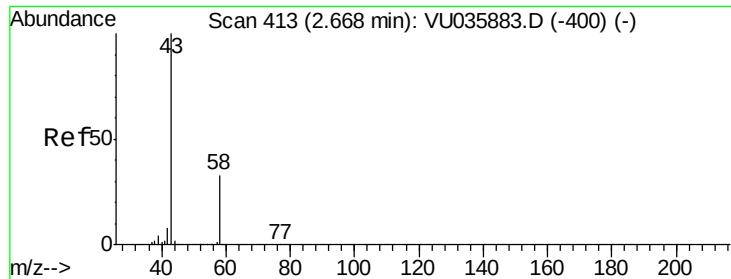


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 41.588 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

Instrument :

MSVOA_U

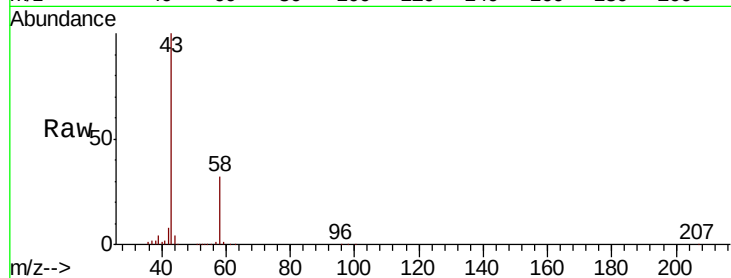
ClientSampleId :

Tot Ion: 43 Resp: 242581

Ion Ratio Lower Upper

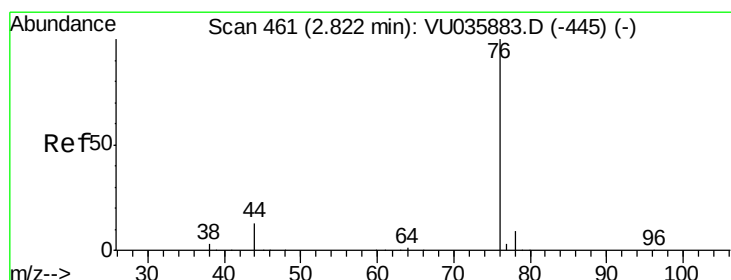
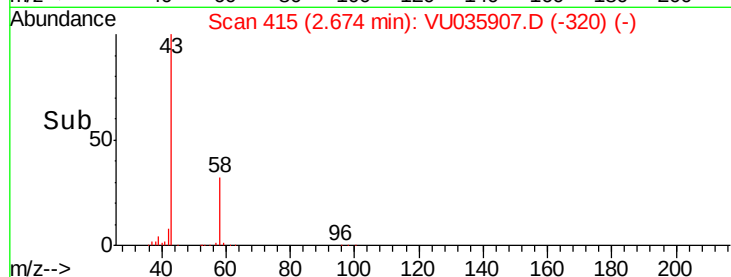
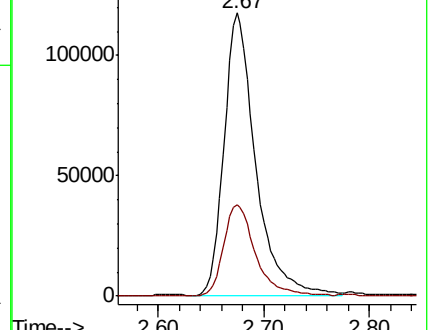
43 100

58 32.7 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035883.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU035883.D (-400) (-)



#14

Carbon disulfide

Concen: 4.424 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035907.D

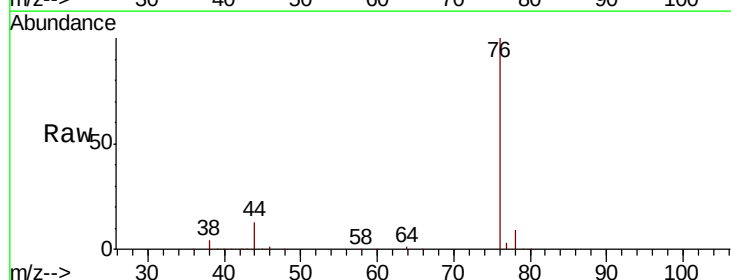
Acq: 27 Nov 2019 20:13

Tgt Ion: 76 Resp: 335880

Ion Ratio Lower Upper

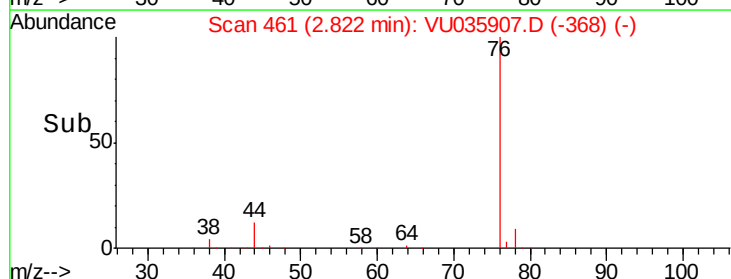
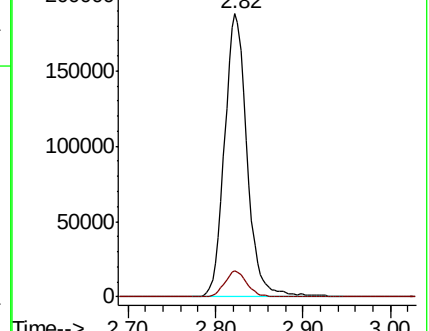
76 100

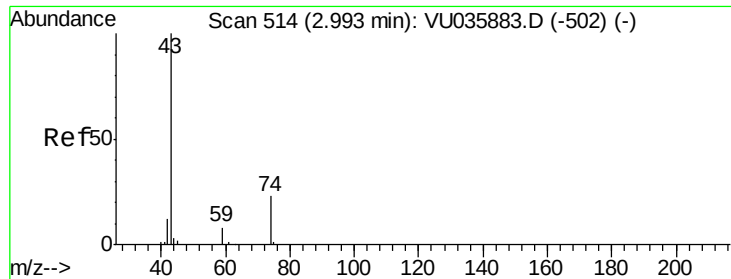
78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035883.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU035883.D (-445) (-)

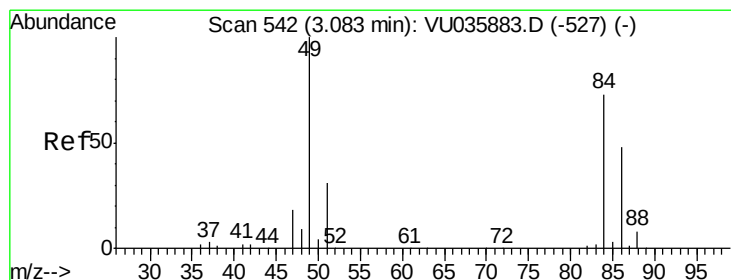
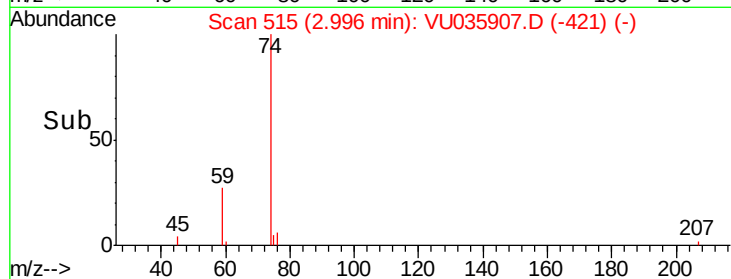
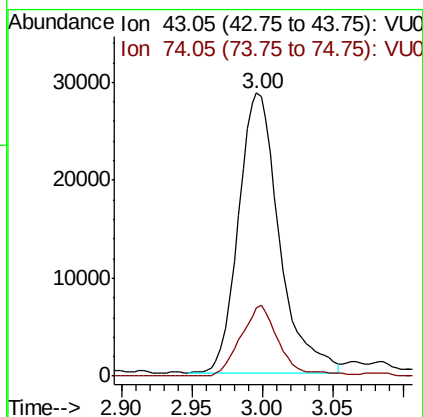
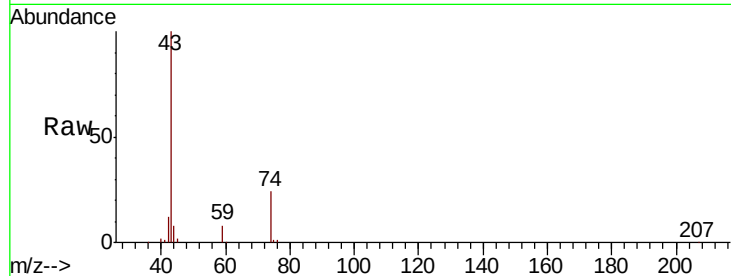




#15
Methvl Acetate
Concen: 4.946 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU035907.D
Acq: 27 Nov 2019 20:13

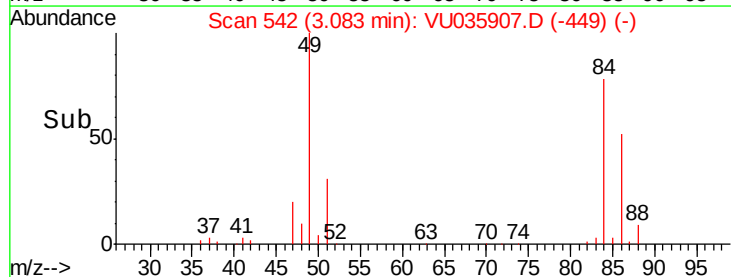
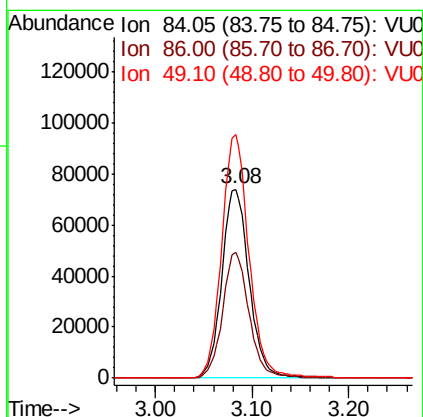
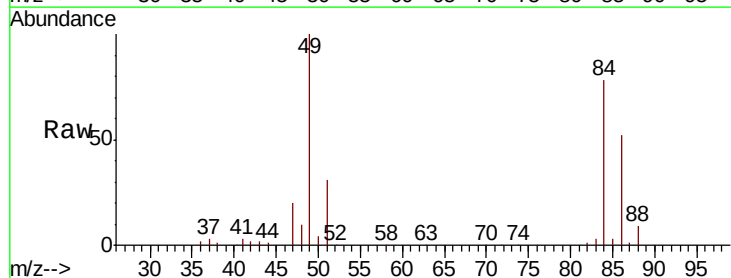
Instrument :
MSVOA_U
ClientSampleId :

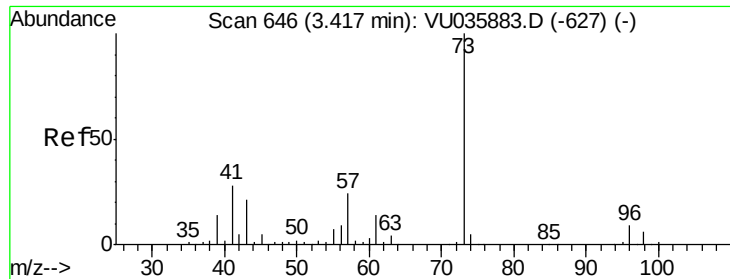
Tot Ion: 43 Resp: 57835
Ion Ratio Lower Upper
43 100
74 22.9 18.2 27.4



#16
Methylene chloride
Concen: 5.264 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035907.D
Acq: 27 Nov 2019 20:13

Tgt Ion: 84 Resp: 145362
Ion Ratio Lower Upper
84 100
86 66.6 44.4 82.5
49 128.9 94.0 174.6

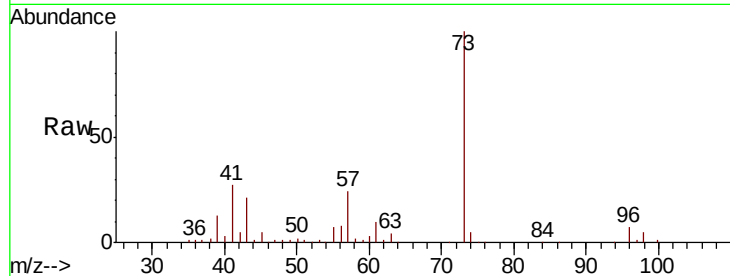




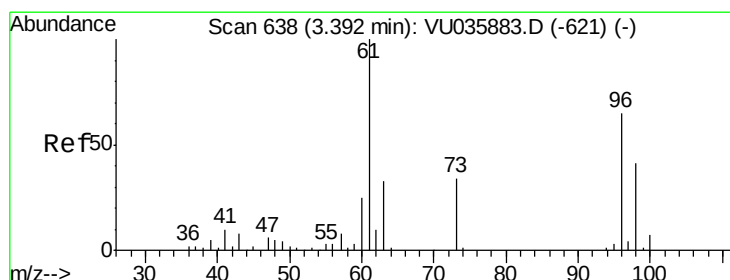
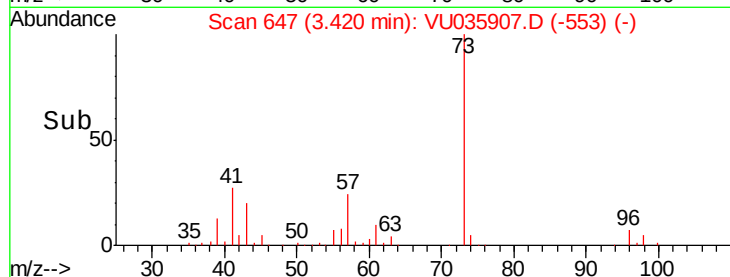
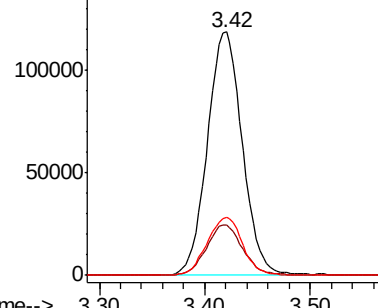
#17
Methyl tert-butyl Ether
Concen: 4.943 ug/L
RT: 3.42 min Scan# 647
Delta R.T. 0.00 min
Lab File: VU035907.D
Acq: 27 Nov 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 273394
Ion Ratio Lower Upper
73 100
43 21.4 17.4 26.2
57 24.0 19.4 29.0

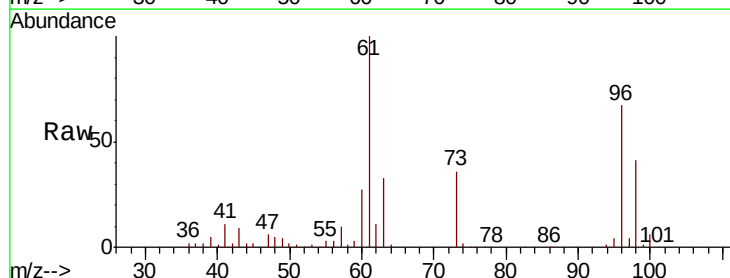


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

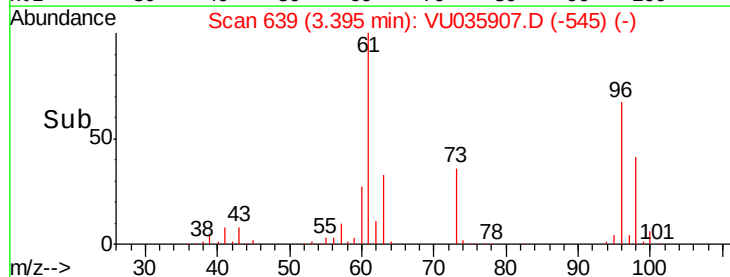
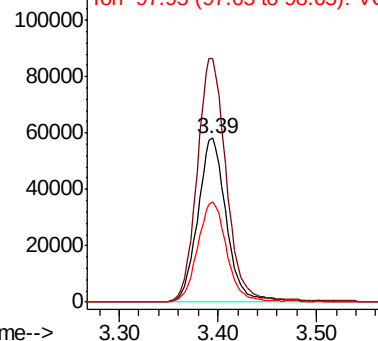


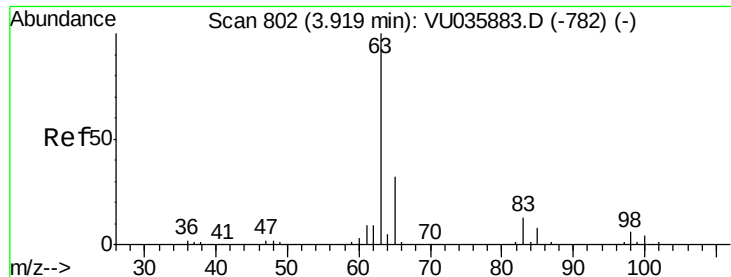
#18
trans-1,2-Dichloroethene
Concen: 5.252 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035907.D
Acq: 27 Nov 2019 20:13

Tgt Ion: 96 Resp: 118215
Ion Ratio Lower Upper
96 100
61 148.4 111.1 206.3
98 60.8 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

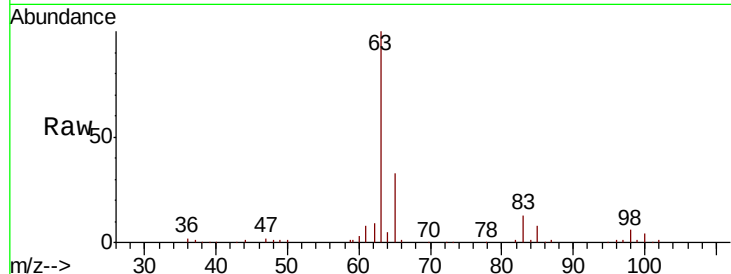




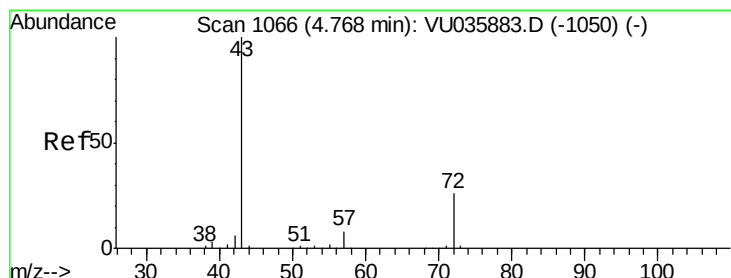
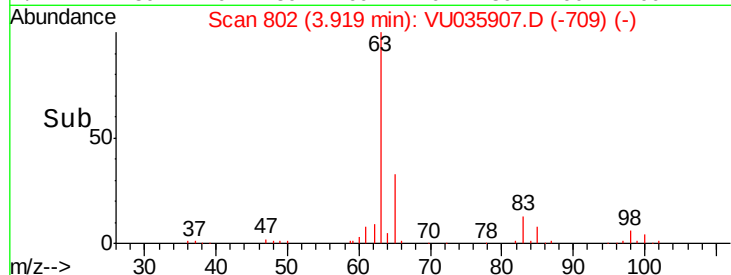
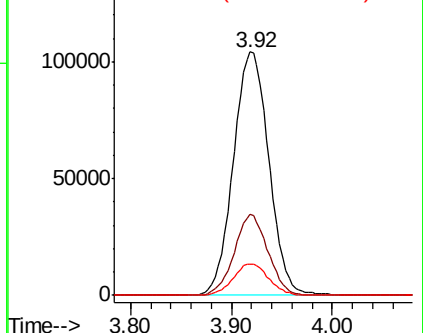
#19
 1,1-Dichloroethane
 Concen: 5.036 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU035907.D
 Acq: 27 Nov 2019 20:13

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 254646
 Ion Ratio Lower Upper
 63 100
 65 33.2 21.8 40.4
 83 12.9 8.6 16.0

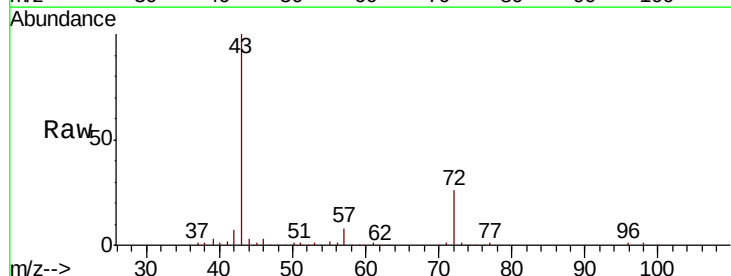


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

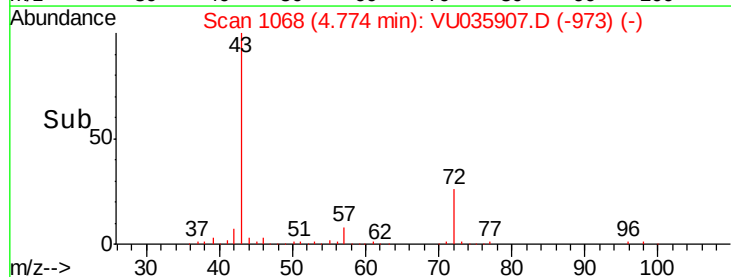
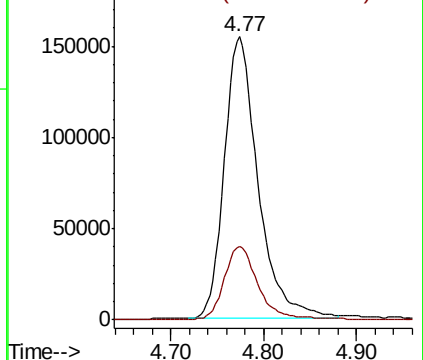


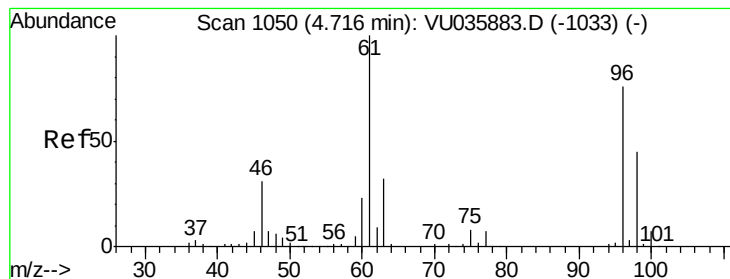
#21
 2-Butanone
 Concen: 52.861 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VU035907.D
 Acq: 27 Nov 2019 20:13

Tgt Ion: 43 Resp: 390172
 Ion Ratio Lower Upper
 43 100
 72 25.0 12.4 37.4



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: 5.018 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

Instrument :

MSVOA_U

ClientSampled :

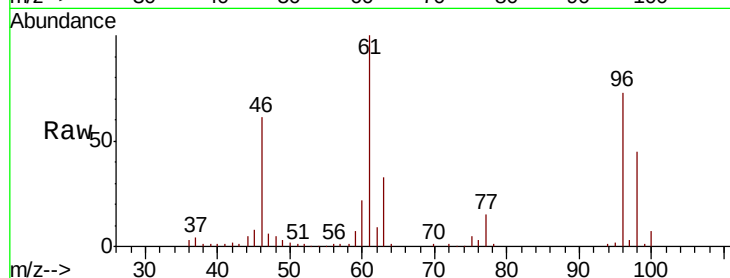
Tot Ion: 96 Resp: 125873

Ion Ratio Lower Upper

96 100

61 137.4 98.1 182.1

68 0.0 0.0 0.0

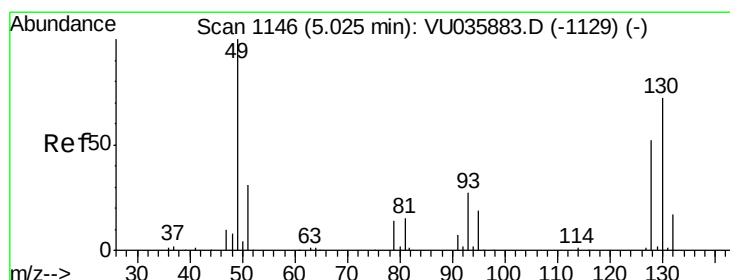
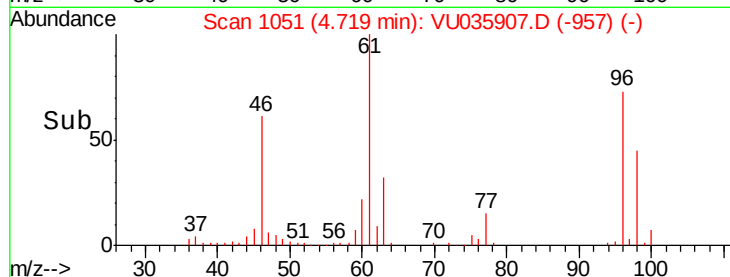
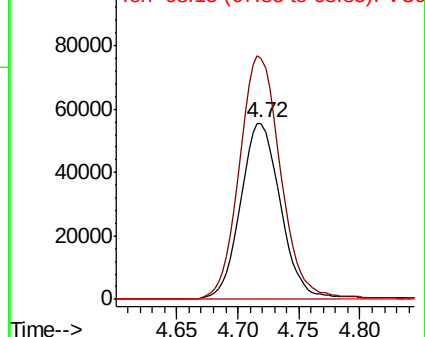


Abundance

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: 5.428 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

Tgt Ion: 128 Resp: 59317

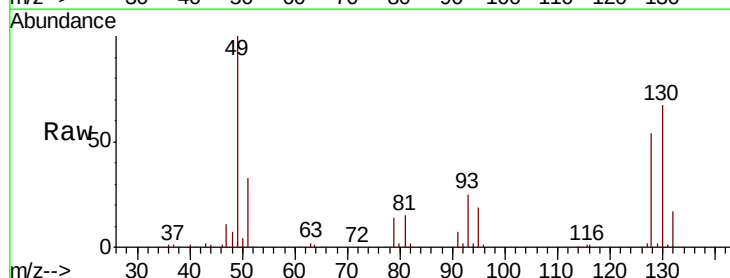
Ion Ratio Lower Upper

128 100

49 186.2 133.8 248.6

130 125.4 91.1 169.1

51 60.7 46.5 69.7



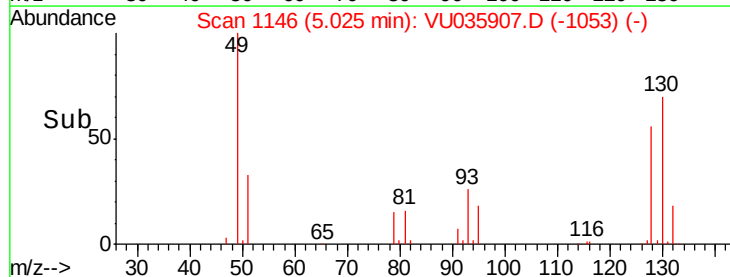
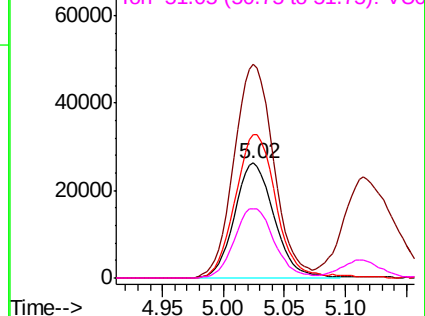
Abundance

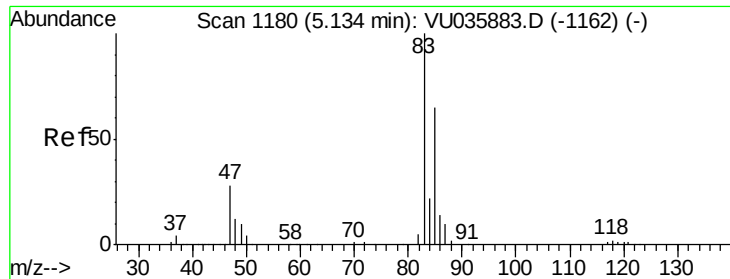
Ion 127.90 (127.60 to 128.60): V

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

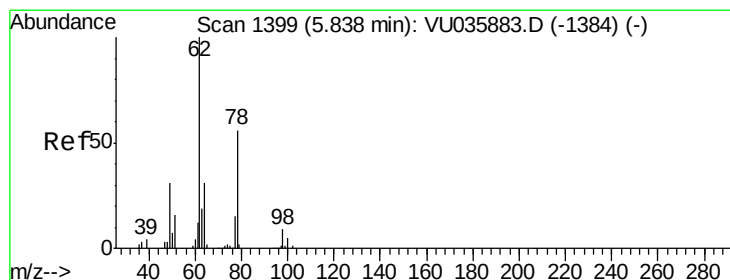
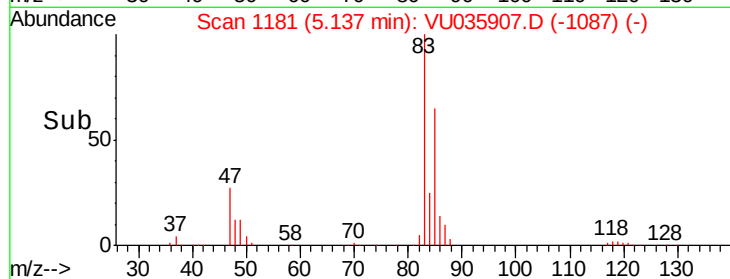
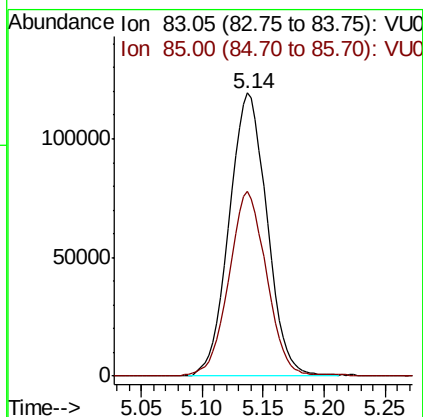
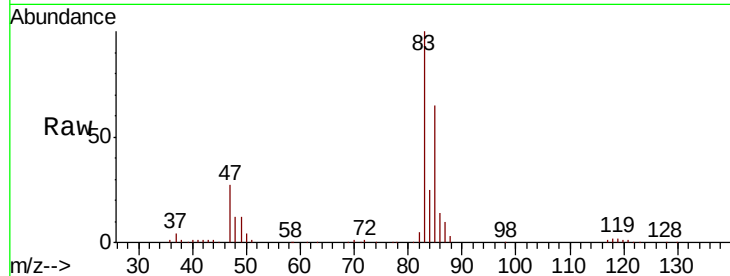




#25
Chloroform
Concen: 5.233 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035907.D
Acq: 27 Nov 2019 20:13

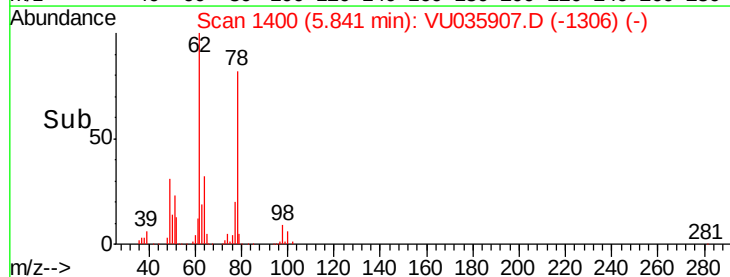
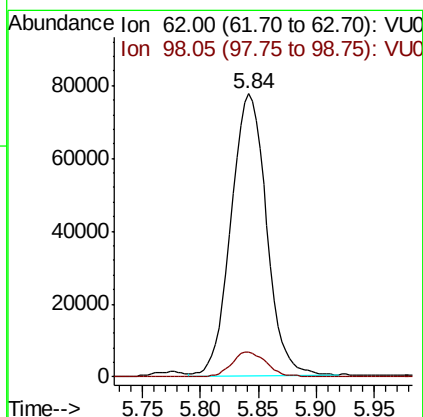
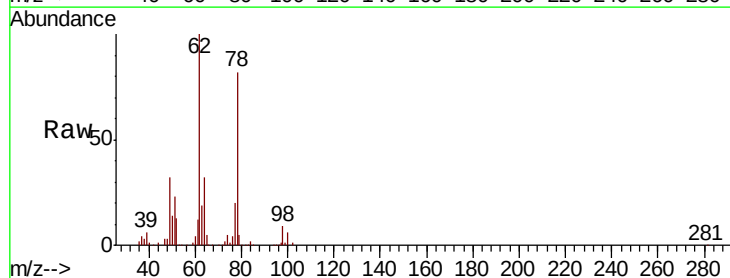
Instrument :
MSVOA_U
ClientSampleId :

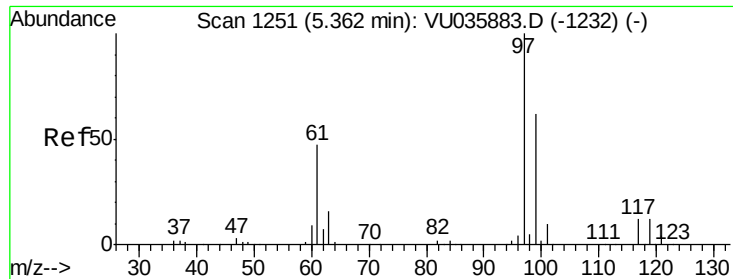
Tot Ion: 83 Resp: 257503
Ion Ratio Lower Upper
83 100
85 65.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.074 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035907.D
Acq: 27 Nov 2019 20:13

Tgt Ion: 62 Resp: 164218
Ion Ratio Lower Upper
62 100
98 8.6 6.2 9.4



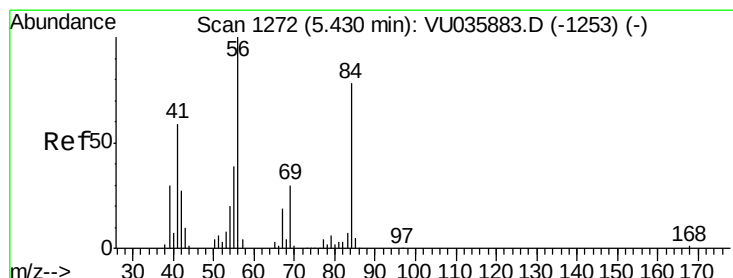
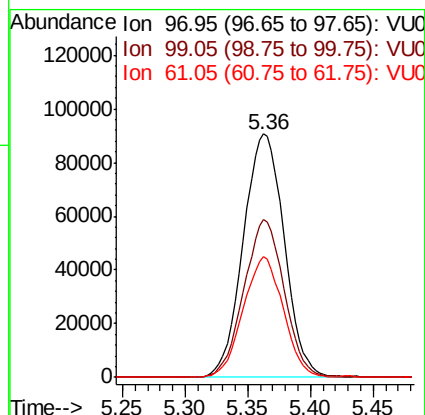
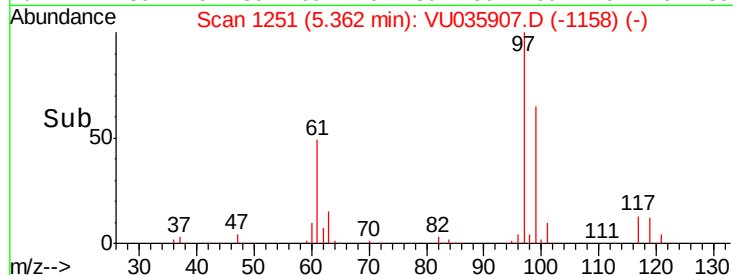
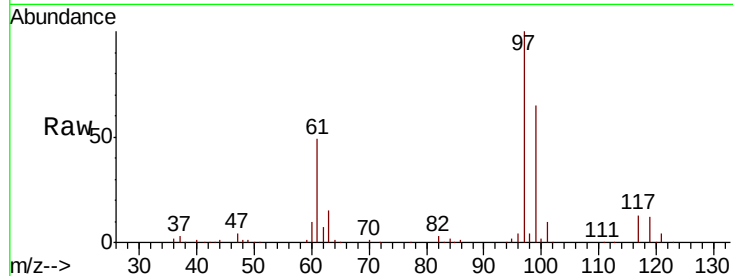


#29
 1,1,1-Trichloroethane
 Concen: 5.129 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU035907.D
 Acq: 27 Nov 2019 20:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 206303

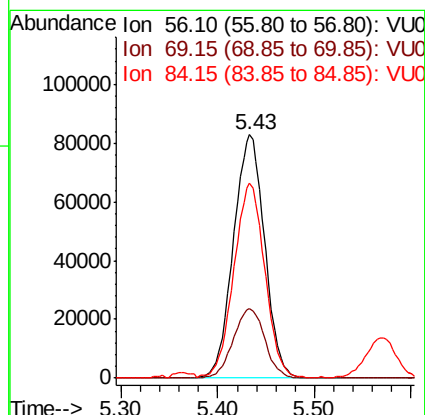
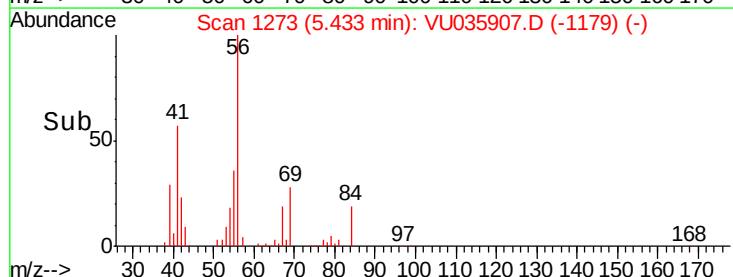
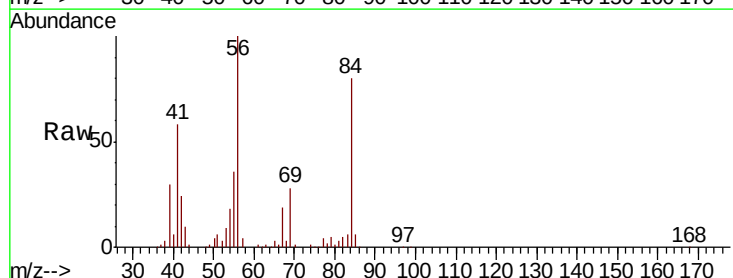
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.9	77.9
61	48.4	40.3	60.5

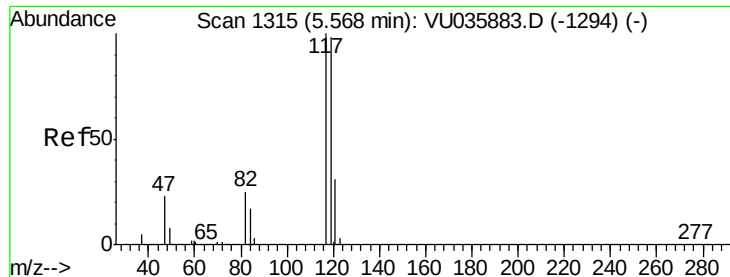


#30
 Cyclohexane
 Concen: 4.715 ug/L
 RT: 5.43 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VU035907.D
 Acq: 27 Nov 2019 20:13

Tgt Ion: 56 Resp: 185312

Ion	Ratio	Lower	Upper
56	100		
69	28.7	24.0	36.0
84	79.9	62.1	93.1





#31

Carbon tetrachloride

Concen: 5.174 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

Instrument :

MSVOA_U

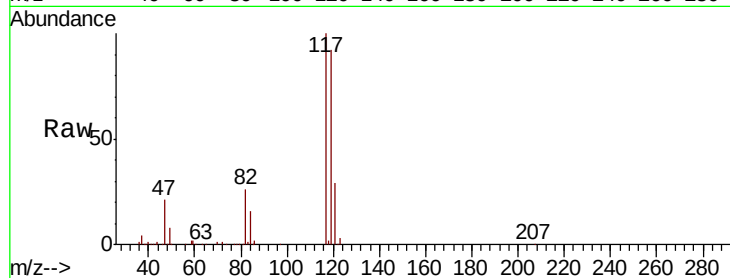
ClientSampleId :

Tot Ion:117 Resp: 180218

Ion Ratio Lower Upper

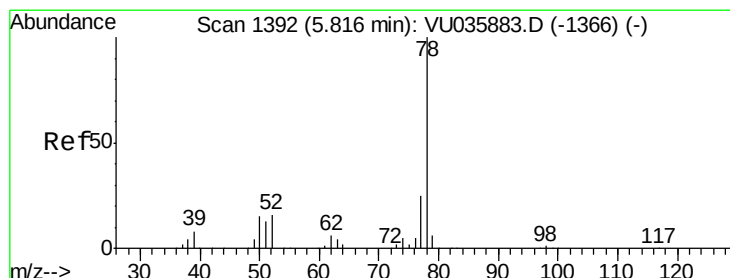
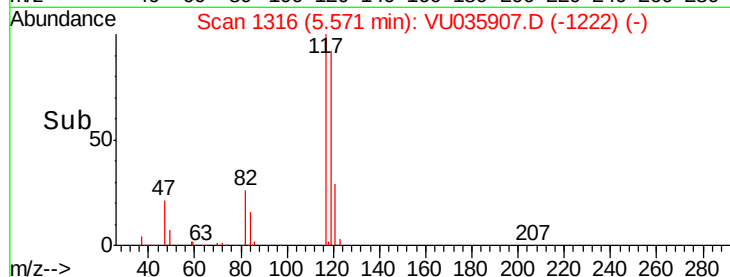
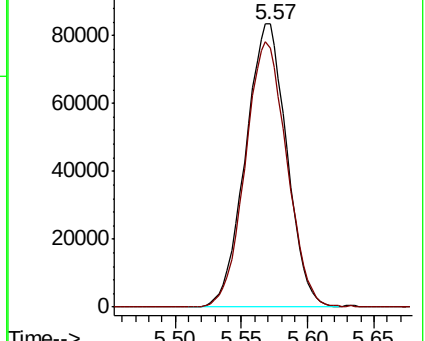
117 100

119 94.4 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.218 ug/L

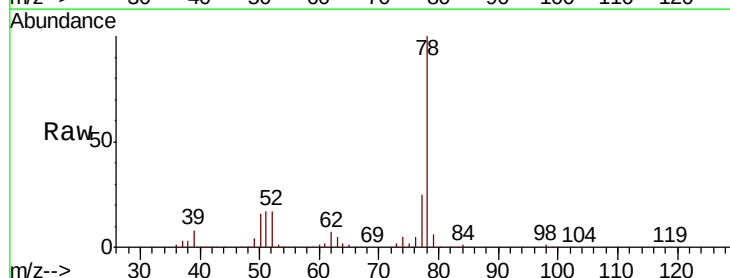
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

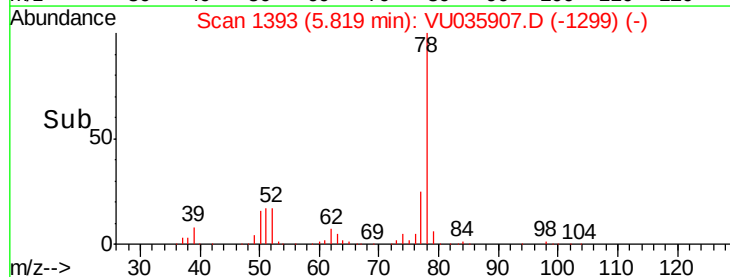
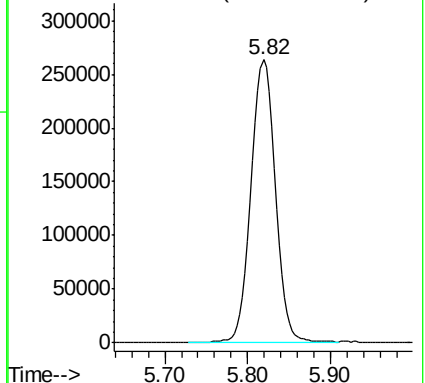
Lab File: VU035907.D

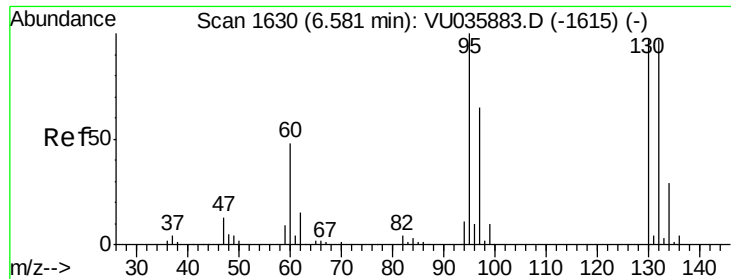
Acq: 27 Nov 2019 20:13

Tgt Ion: 78 Resp: 542532



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.189 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 132280

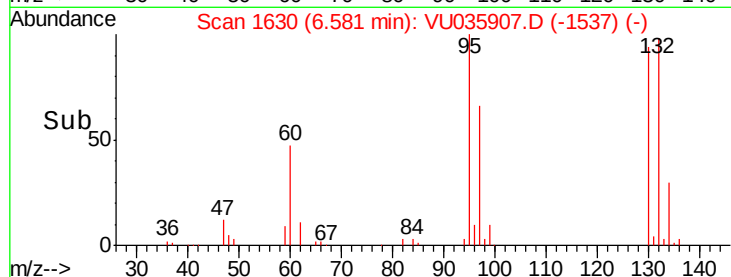
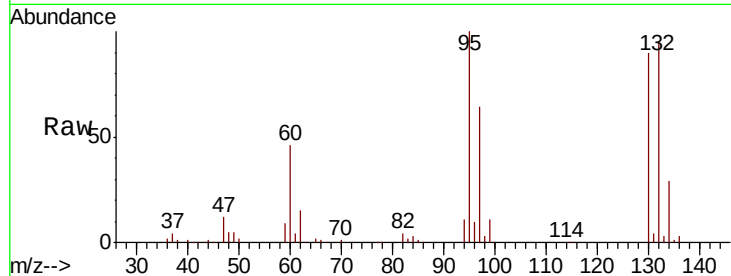
Ion Ratio Lower Upper

95 100

97 64.2 45.1 83.9

132 94.6 61.9 114.9

130 90.5 66.3 123.1

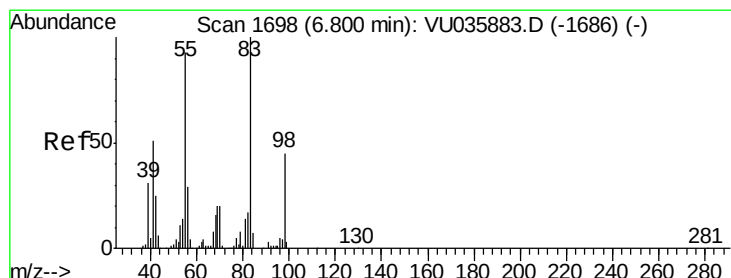
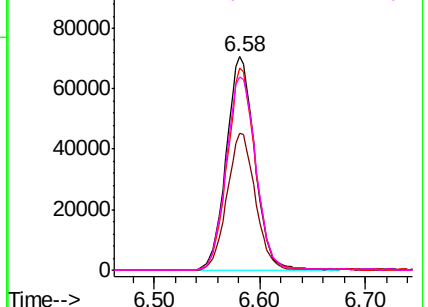


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.598 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

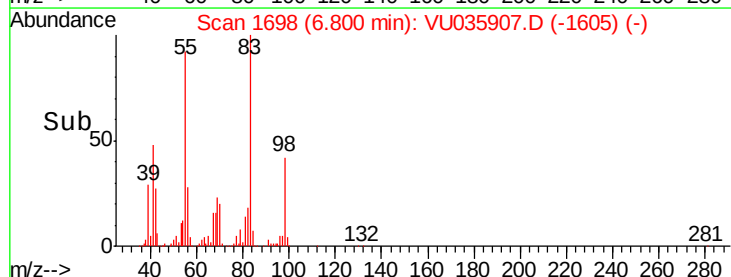
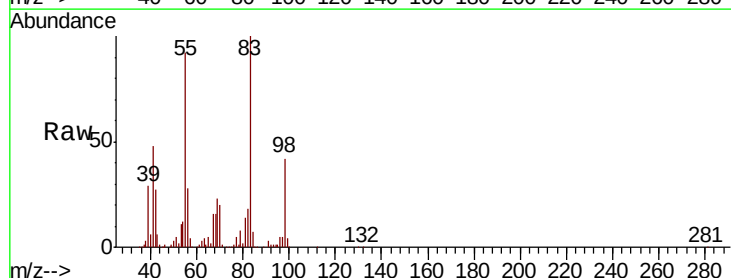
Tgt Ion: 83 Resp: 172030

Ion Ratio Lower Upper

83 100

55 93.2 72.7 109.1

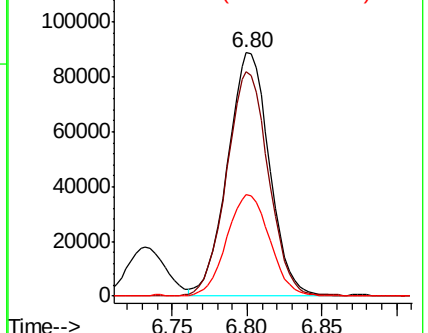
98 43.0 36.2 54.4

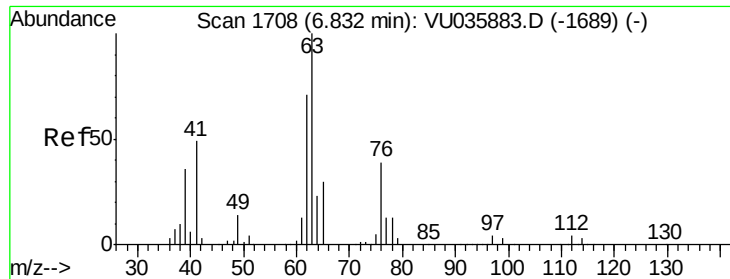


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

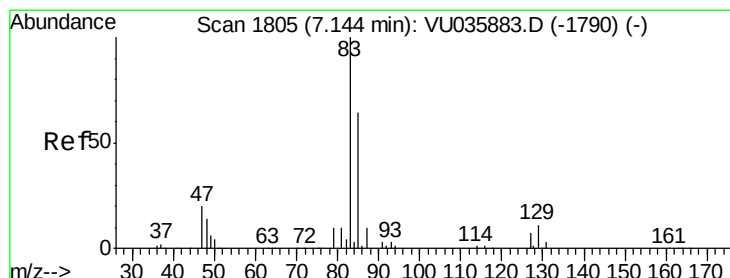
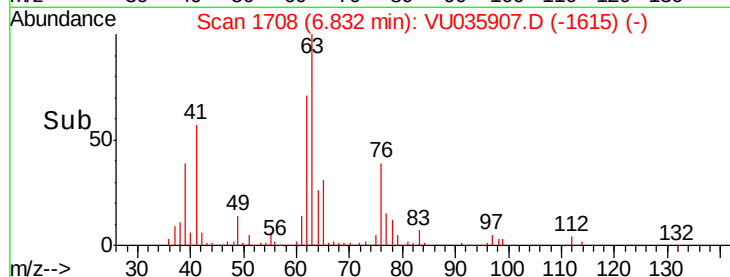
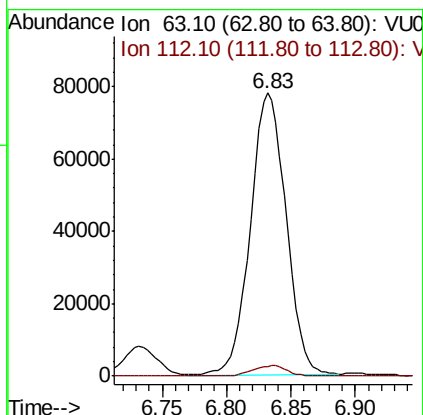
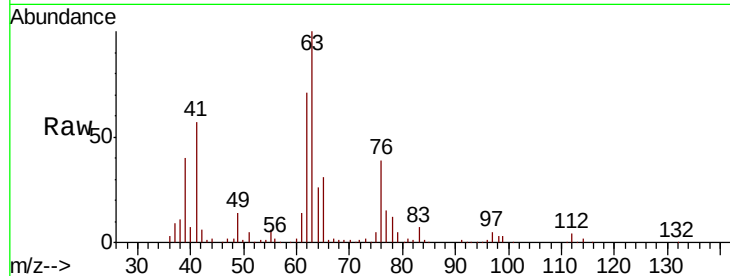




#37
 1,2-Dichloropropane
 Concen: 5.112 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU035907.D
 Acq: 27 Nov 2019 20:13

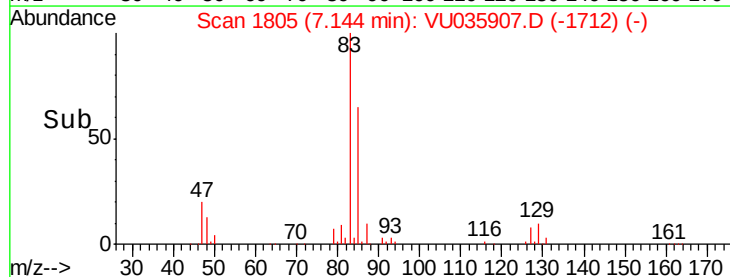
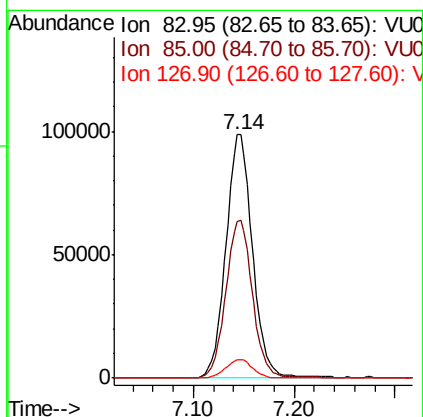
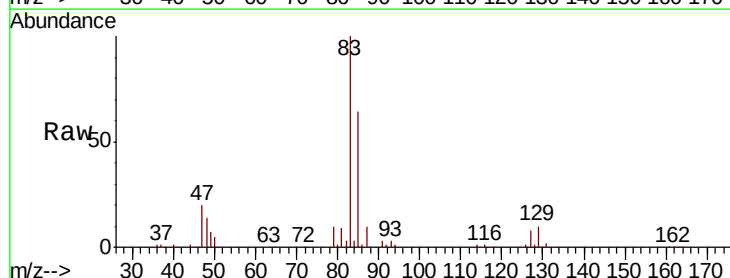
Instrument :
 MSVOA_U
 ClientSampleId :

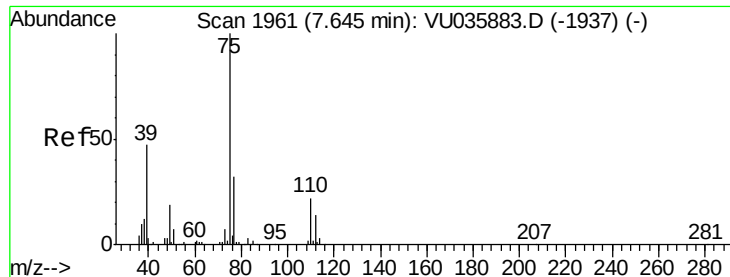
Tot Ion: 63 Resp: 150750
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.7 4.1



#38
 Bromodichloromethane
 Concen: 5.118 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU035907.D
 Acq: 27 Nov 2019 20:13

Tgt Ion: 83 Resp: 180876
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.6 84.8
 127 7.5 6.0 9.0

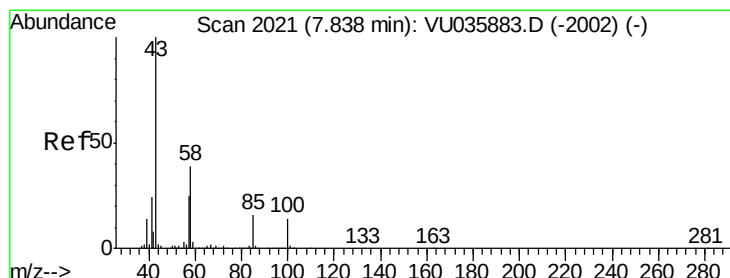
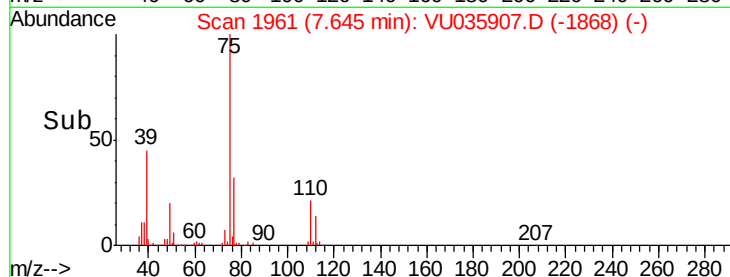
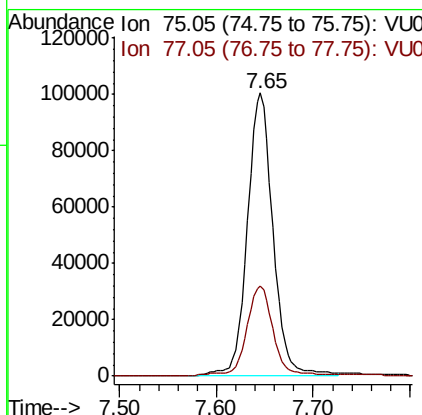
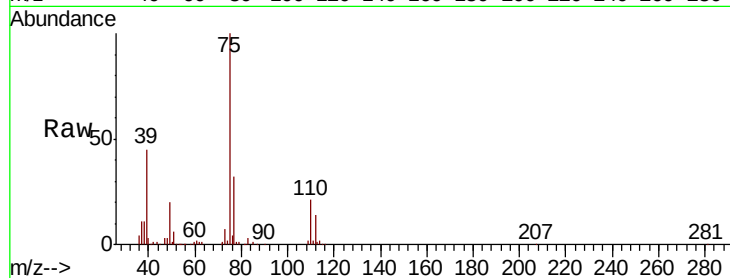




#39
 cis-1,3-Dichloropropene
 Concen: 4.869 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035907.D
 Acq: 27 Nov 2019 20:13

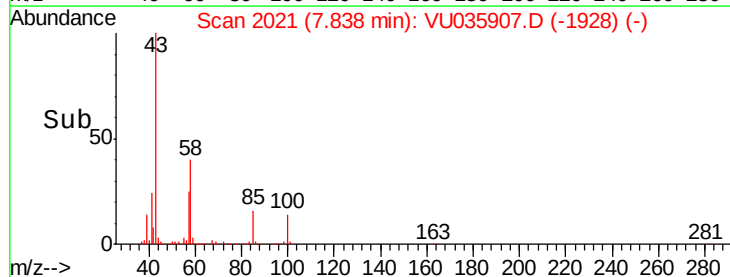
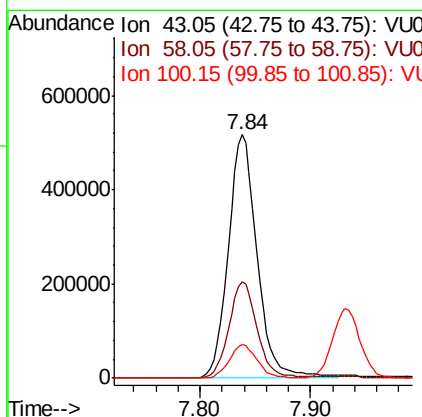
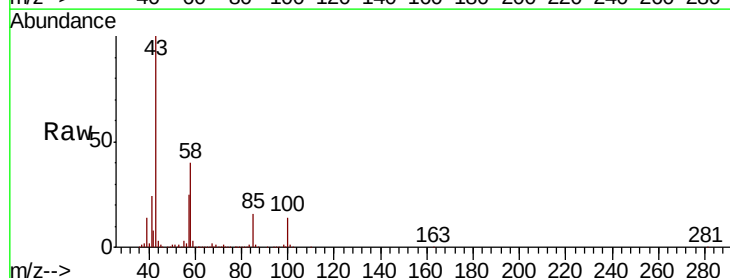
Instrument :
 MSVOA_U
 ClientSampled :

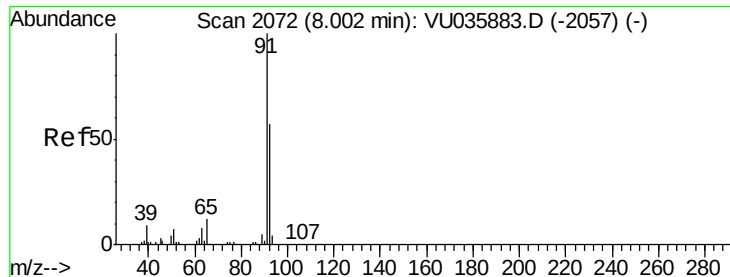
Tot Ion: 75 Resp: 185879
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 51.696 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: VU035907.D
 Acq: 27 Nov 2019 20:13

Tgt Ion: 43 Resp: 935910
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.8 46.2
 100 13.3 10.0 15.0





#42

Toluene

Concen: 5.212 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

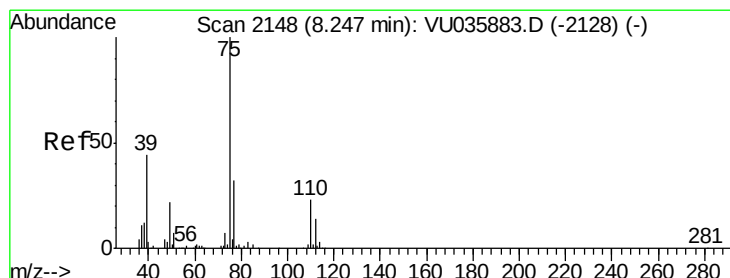
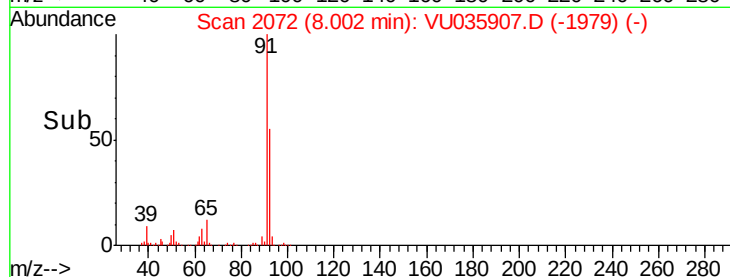
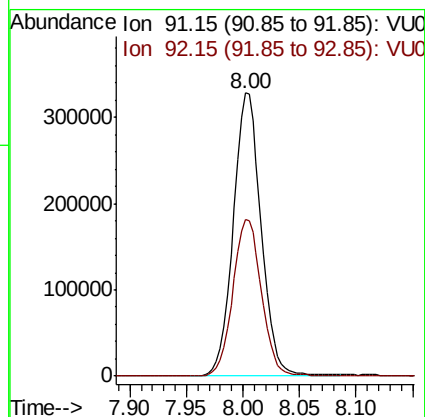
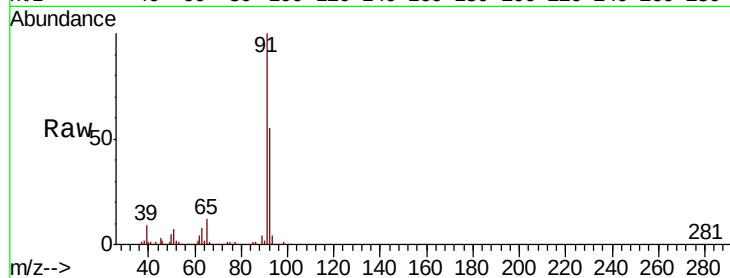
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 563690

Ion Ratio Lower Upper

91 100

92 55.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.200 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035907.D

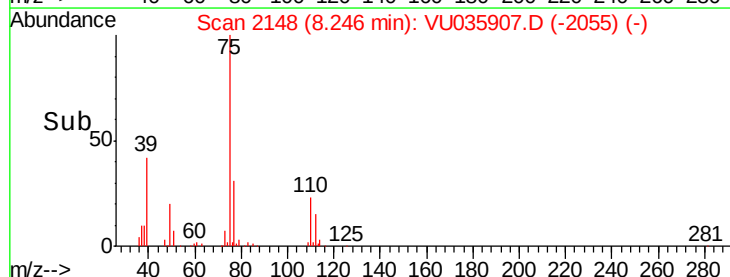
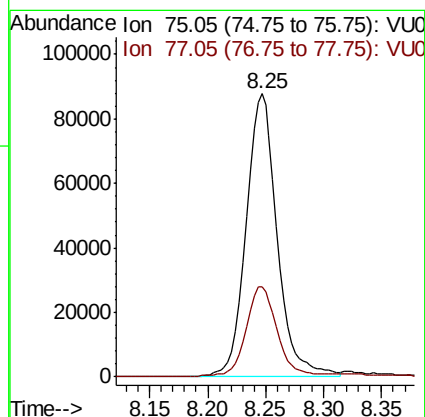
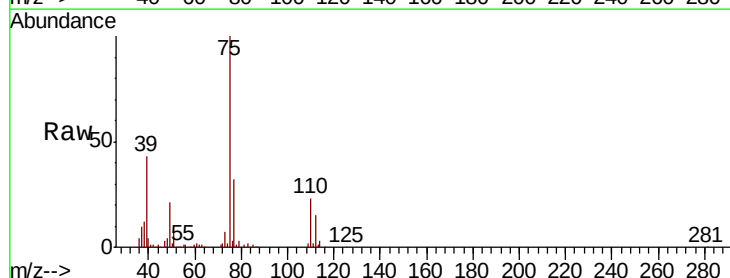
Acq: 27 Nov 2019 20:13

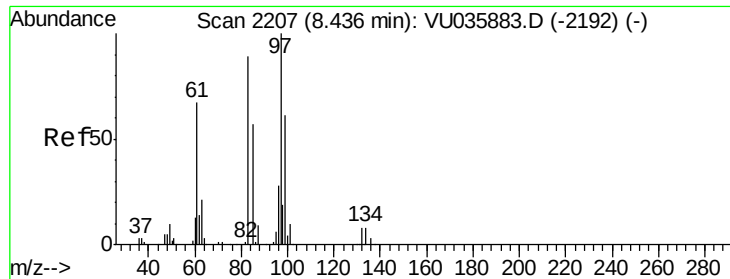
Tgt Ion: 75 Resp: 164598

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.1

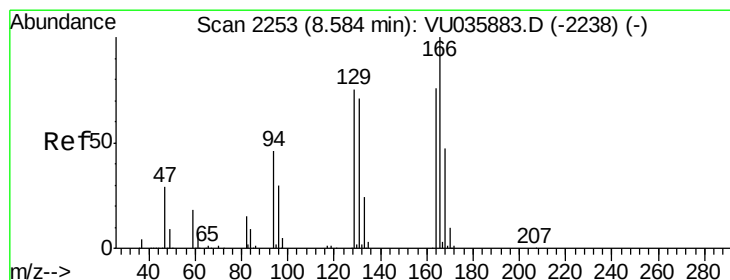
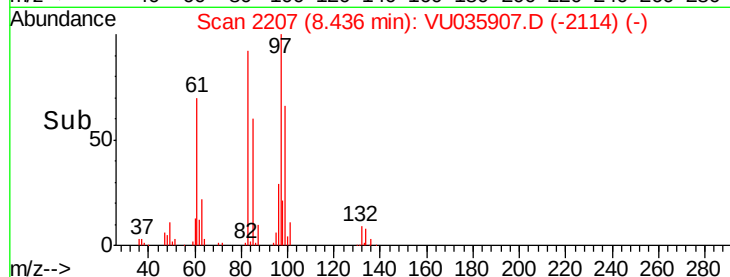
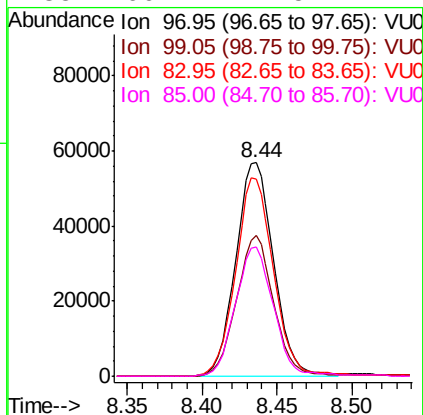
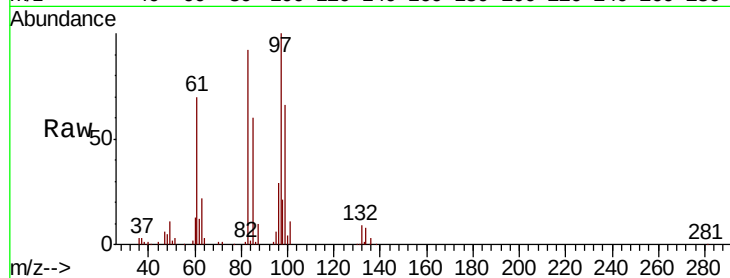




#45
1,1,2-Trichloroethane
Concen: 5.233 ug/L
RT: 8.44 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VU035907.D
Acq: 27 Nov 2019 20:13

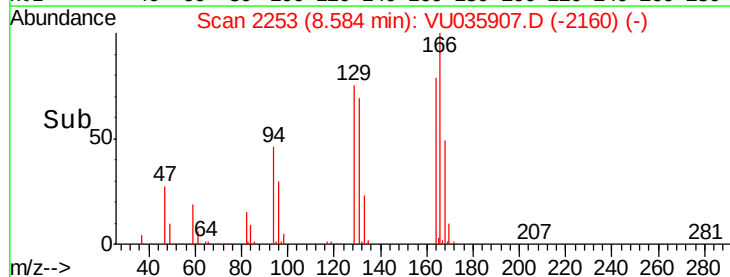
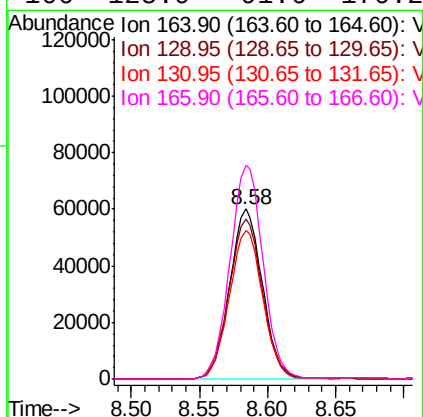
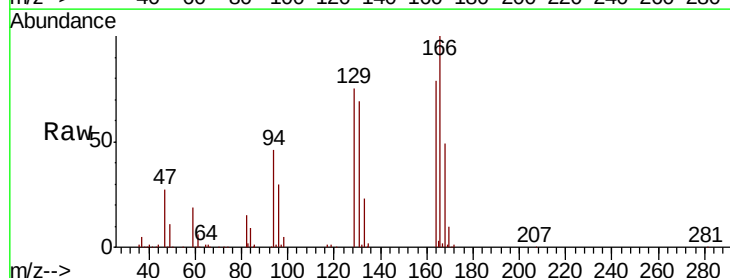
Instrument :
MSVOA_U
ClientSampleId :

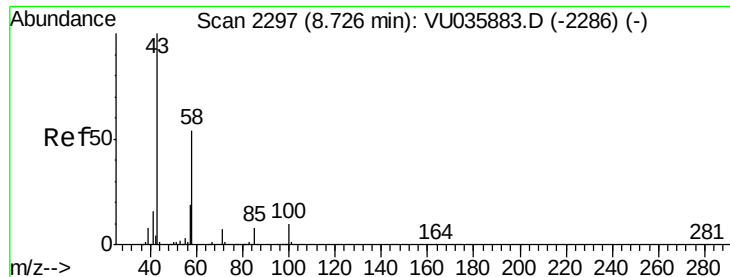
Tot Ion:	97	Resp:	100550
Ion	Ratio	Lower	Upper
97	100		
99	65.6	44.2	82.0
83	92.5	62.2	115.6
85	60.4	41.5	77.1



#47
Tetrachloroethene
Concen: 5.199 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035907.D
Acq: 27 Nov 2019 20:13

Tgt Ion:	164	Resp:	100846
Ion	Ratio	Lower	Upper
164	100		
129	94.0	68.8	127.8
131	87.4	67.3	124.9
166	125.9	91.6	170.2

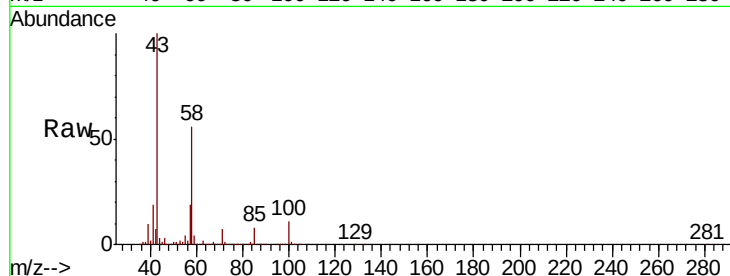




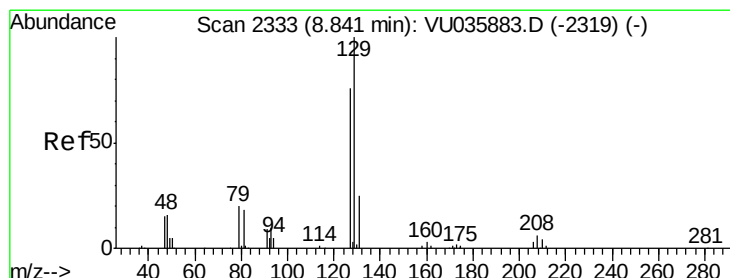
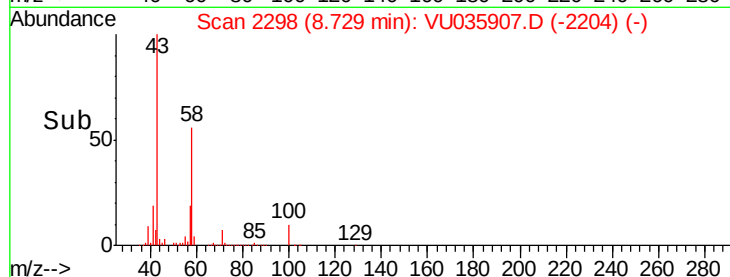
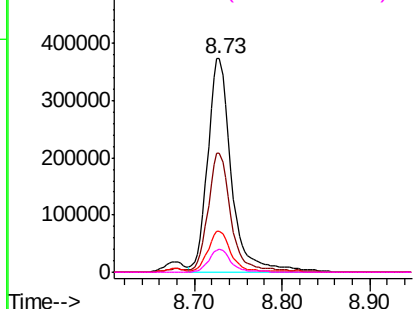
#48
2-Hexanone
Concen: 52.839 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. 0.00 min
Lab File: VU035907.D
Acq: 27 Nov 2019 20:13

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 704275
Ion Ratio Lower Upper
43 100
58 51.7 39.8 59.8
57 18.3 14.0 21.0
100 10.0 7.2 10.8

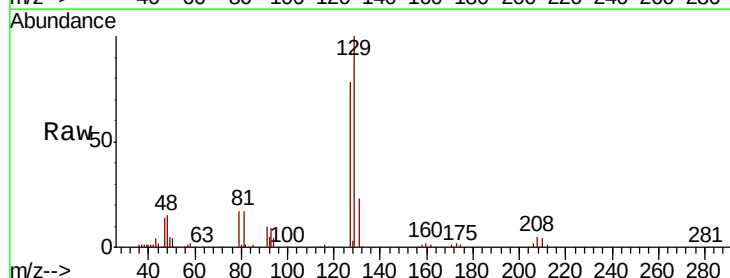


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

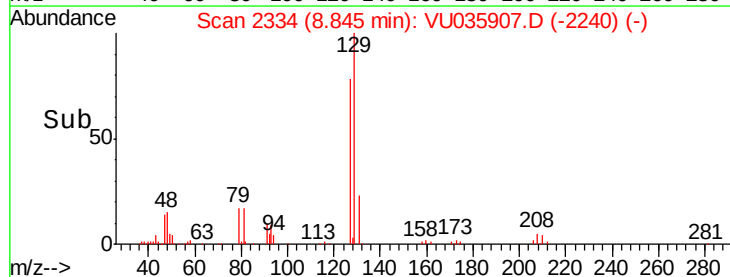
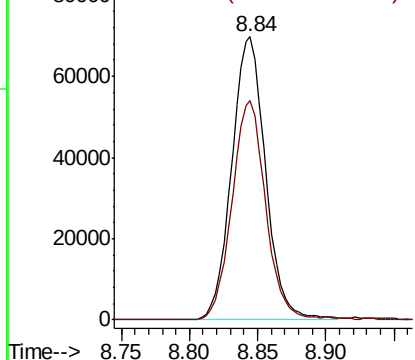


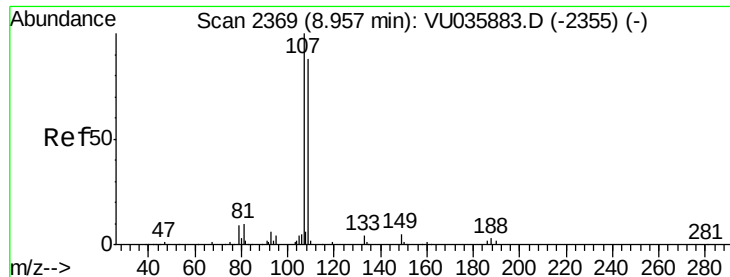
#49
Dibromochloromethane
Concen: 5.303 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035907.D
Acq: 27 Nov 2019 20:13

Tgt Ion: 129 Resp: 120215
Ion Ratio Lower Upper
129 100
127 77.5 53.1 98.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

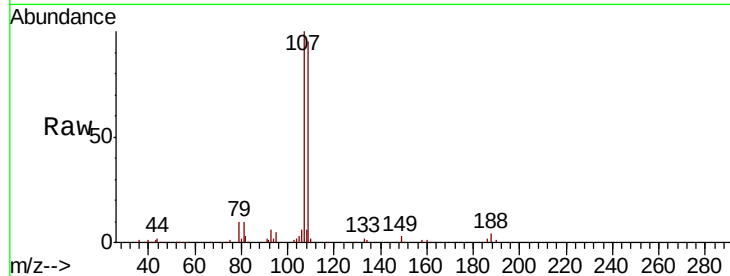




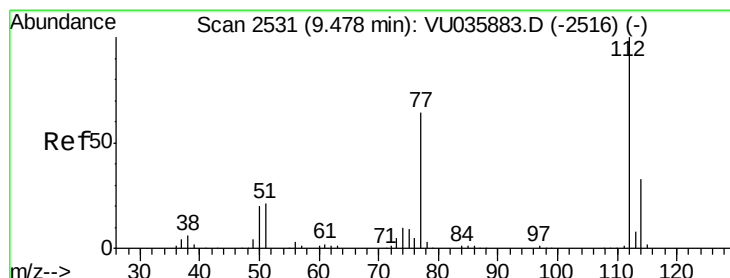
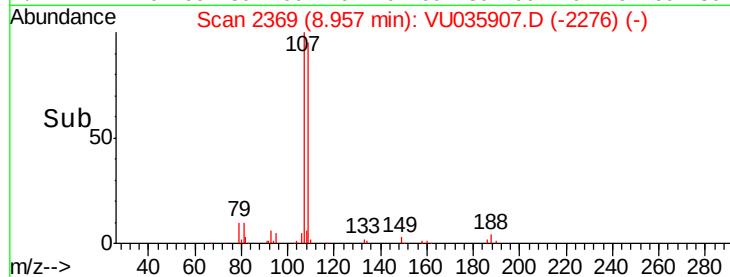
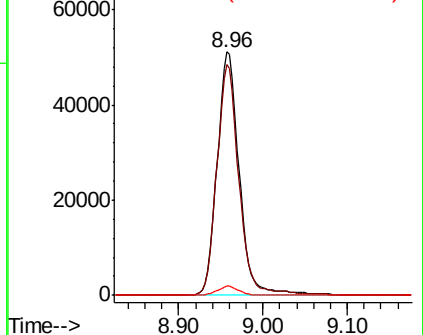
#50
1,2-Dibromoethane
Concen: 5.292 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU035907.D
Acq: 27 Nov 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 93047
Ion Ratio Lower Upper
107 100
109 94.9 62.6 116.3
188 3.7 2.8 4.2

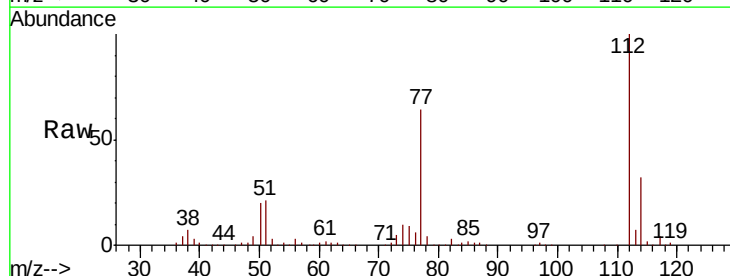


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

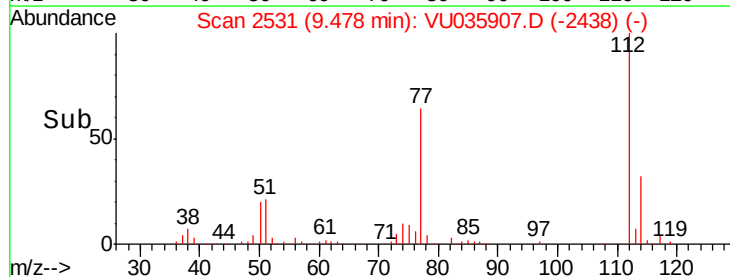
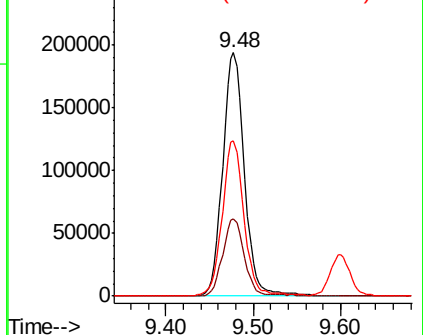


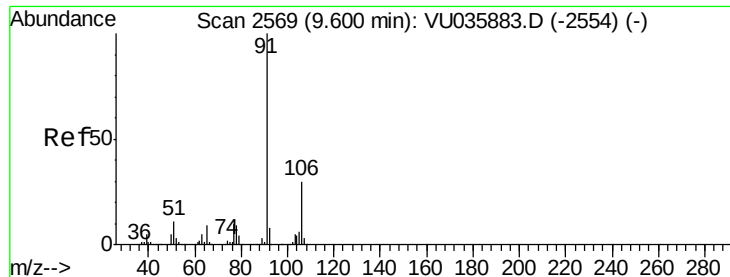
#51
Chlorobenzene
Concen: 4.992 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035907.D
Acq: 27 Nov 2019 20:13

Tgt Ion:112 Resp: 334418
Ion Ratio Lower Upper
112 100
114 31.8 22.2 41.2
77 63.7 50.1 75.1



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): VU0





#52

Ethylbenzene

Concen: 4.908 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

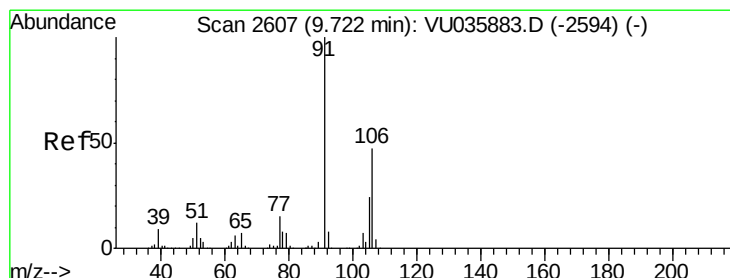
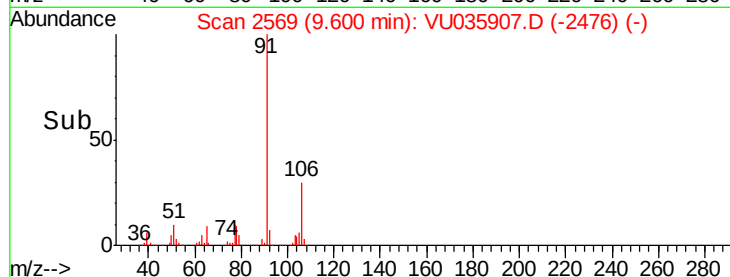
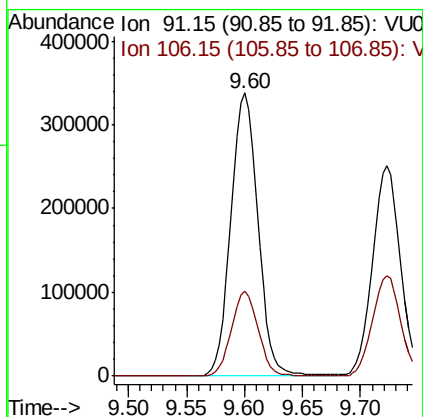
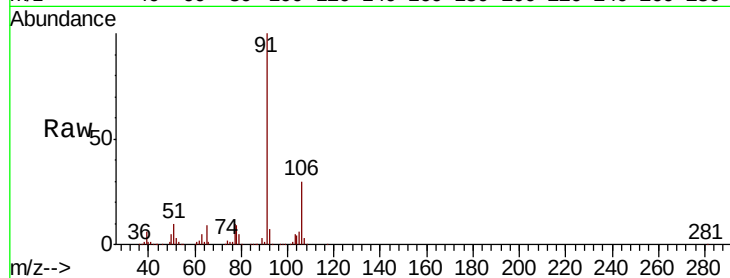
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 548915

Ion Ratio Lower Upper

91 100

106 30.0 21.2 39.4



#53

m,p-Xylene

Concen: 5.274 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035907.D

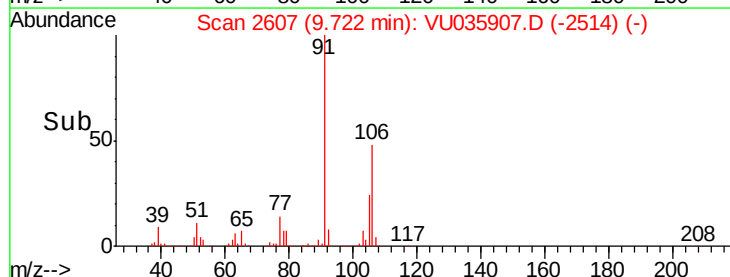
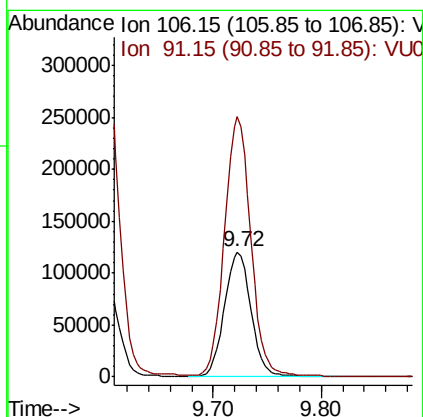
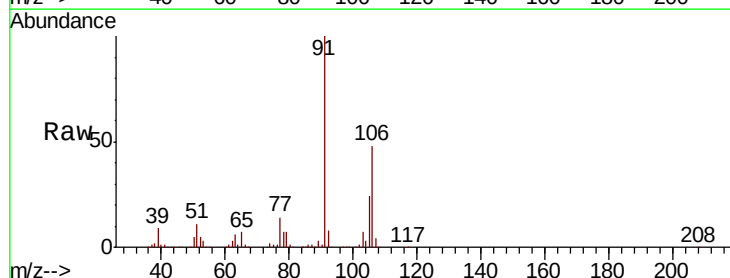
Acq: 27 Nov 2019 20:13

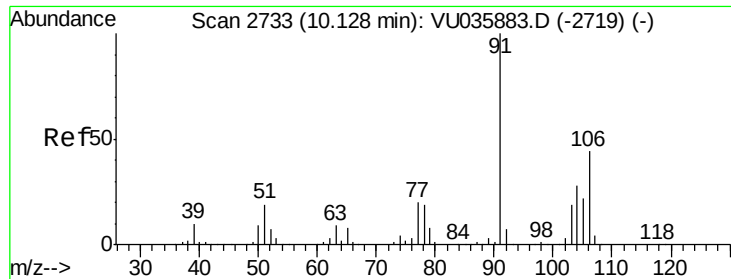
Tgt Ion: 106 Resp: 207958

Ion Ratio Lower Upper

106 100

91 209.0 149.9 278.5

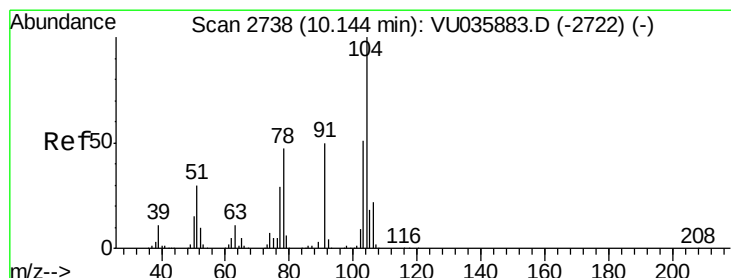
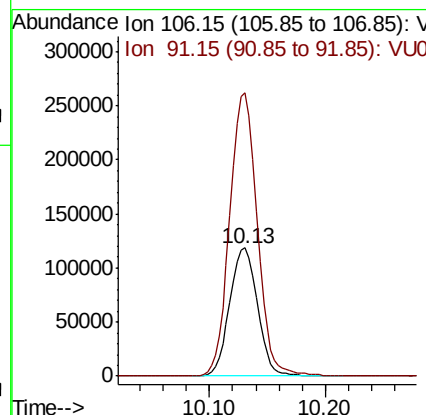
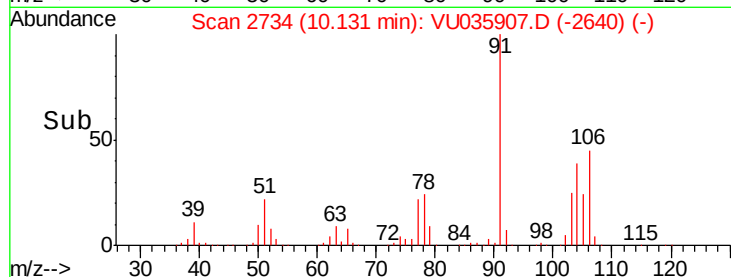
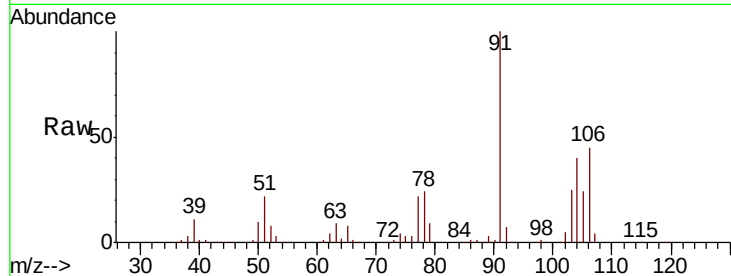




#54
o-Xylene
Concen: 5.172 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035907.D
Acq: 27 Nov 2019 20:13

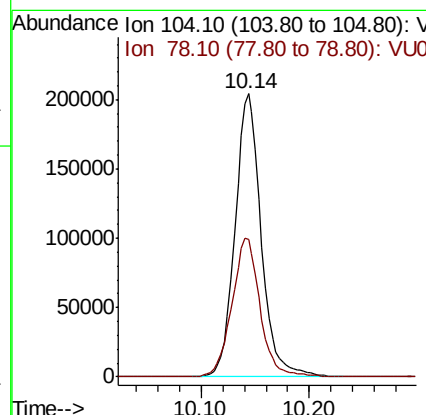
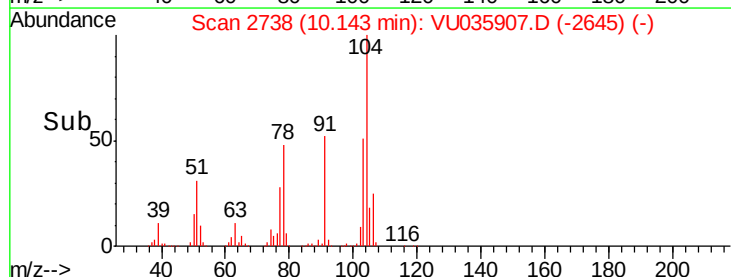
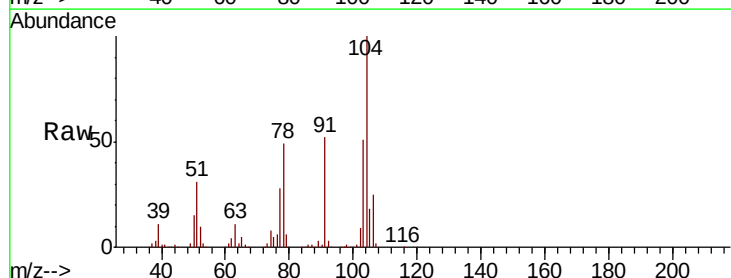
Instrument :
MSVOA_U
ClientSampled :

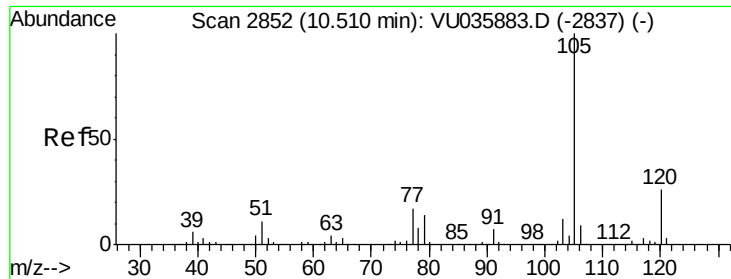
Tot Ion:106 Resp: 198044
Ion Ratio Lower Upper
106 100
91 221.2 153.6 285.2



#55
Styrene
Concen: 5.437 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035907.D
Acq: 27 Nov 2019 20:13

Tgt Ion:104 Resp: 345322
Ion Ratio Lower Upper
104 100
78 48.6 33.9 62.9





#56

Isopropylbenzene

Concen: 5.157 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

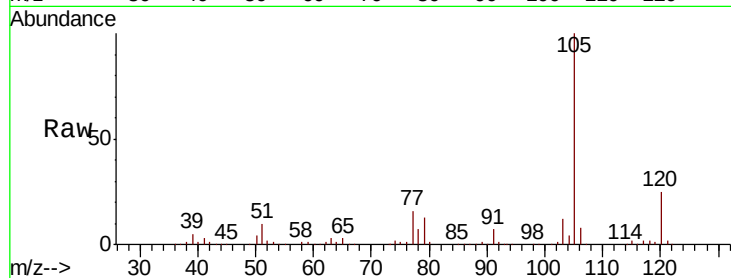
Tot Ion:105 Resp: 521691

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.2

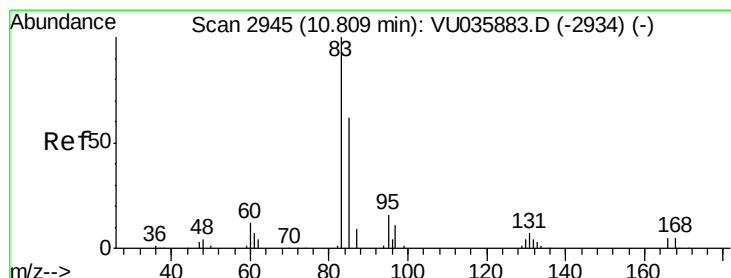
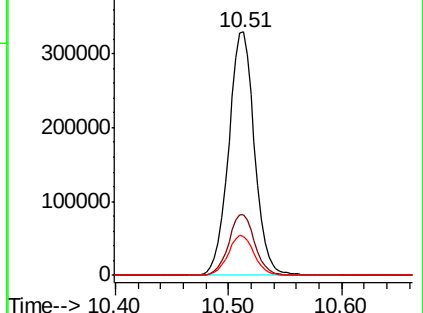
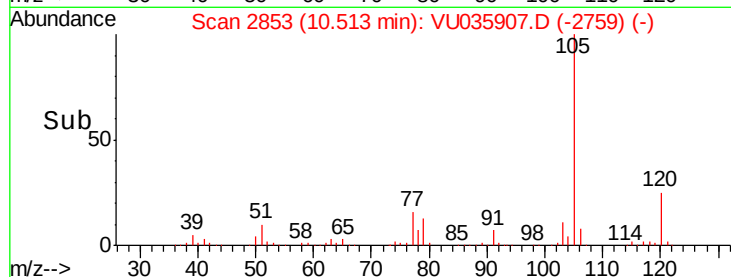
77 16.8 13.7 20.5



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: 5.037 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

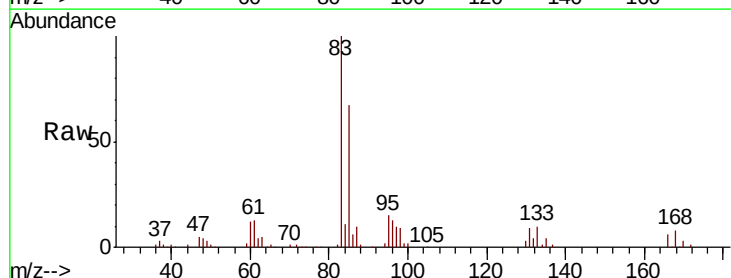
Tgt Ion: 83 Resp: 133924

Ion Ratio Lower Upper

83 100

85 67.0 44.6 82.8

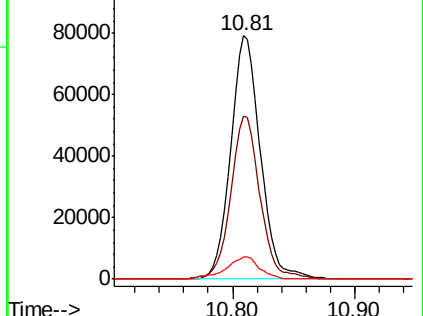
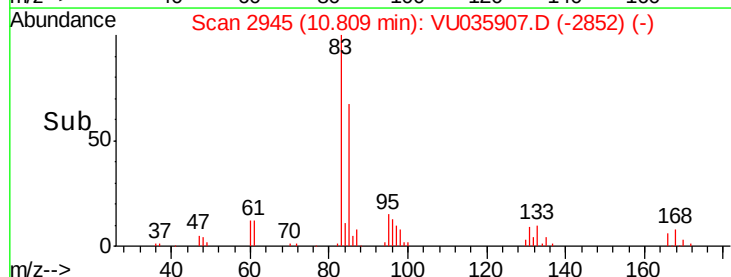
131 8.9 6.9 10.3

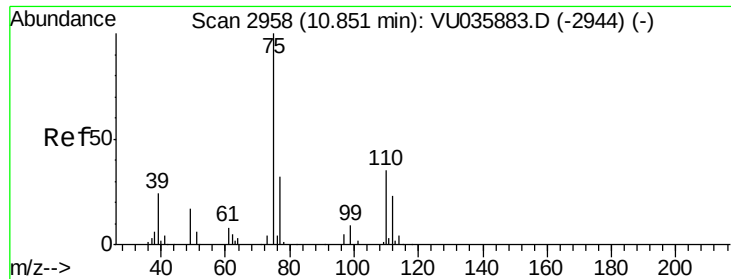


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.043 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

Instrument :

MSVOA_U

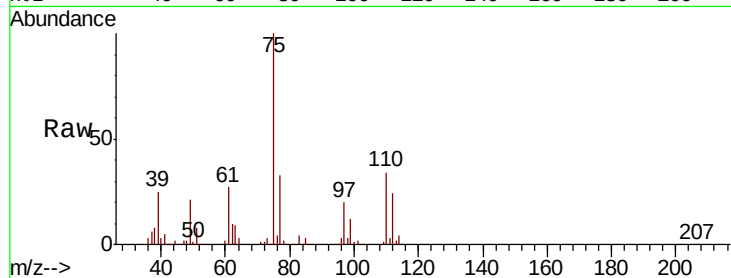
ClientSampleId :

Tot Ion: 75 Resp: 96685

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU035883.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU035883.D (-2944) (-)

10.85

60000

50000

40000

30000

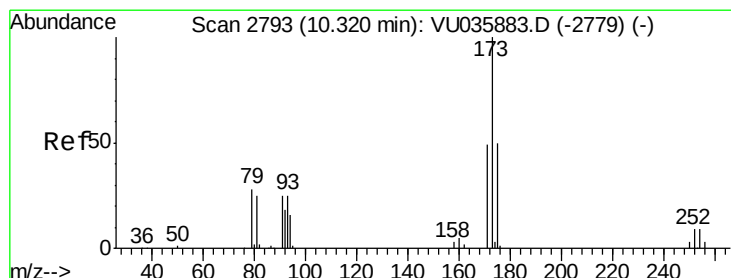
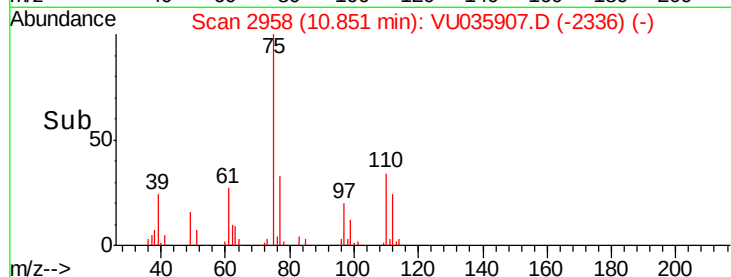
20000

10000

0

10.80 10.85 10.90

Time-->



#61

Bromoform

Concen: 4.824 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

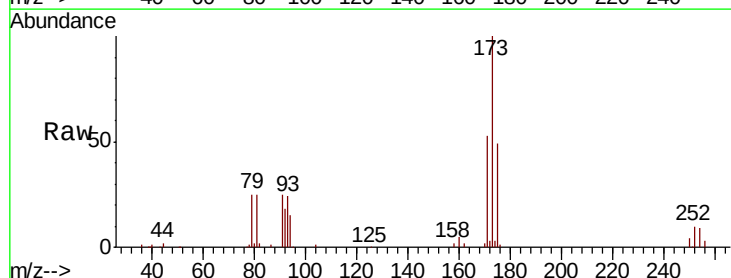
Tgt Ion: 173 Resp: 67010

Ion Ratio Lower Upper

173 100

175 49.3 40.1 60.1

254 8.8 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): VU035883.D (-2779) (-)

Ion 174.90 (174.60 to 175.60): VU035883.D (-2779) (-)

Ion 253.75 (253.45 to 254.45): VU035883.D (-2779) (-)

10.32

50000

40000

30000

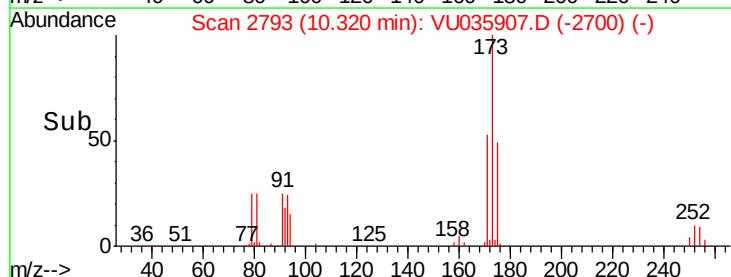
20000

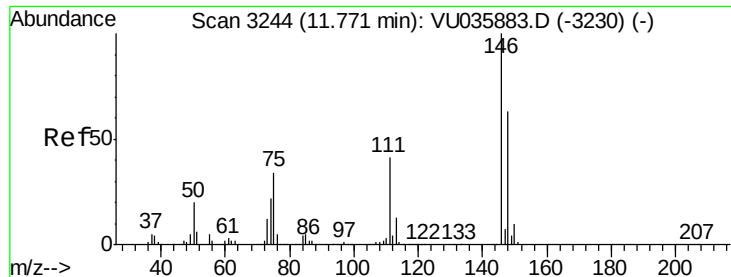
10000

0

10.30 10.32 10.34

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.098 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU035907.D

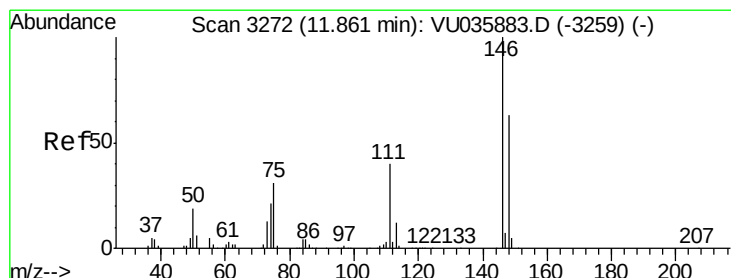
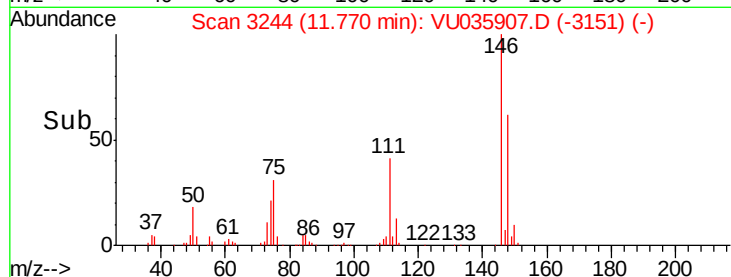
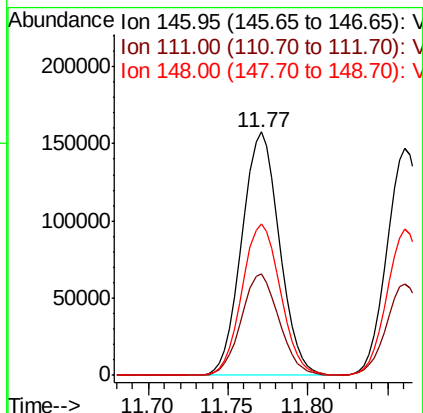
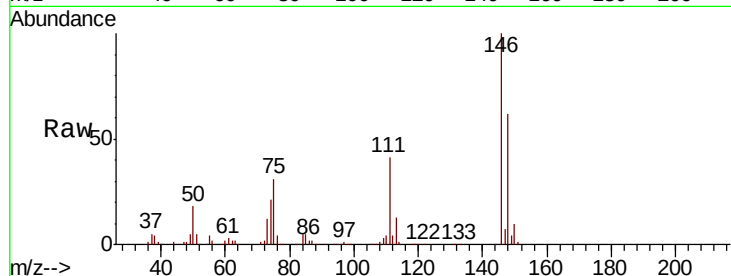
Acq: 27 Nov 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp: 252980
Ion Ratio	Lower Upper
146 100	
111 41.5	29.5 54.7
148 62.1	44.1 81.9



#63

1,4-Dichlorobenzene

Concen: 4.968 ug/L

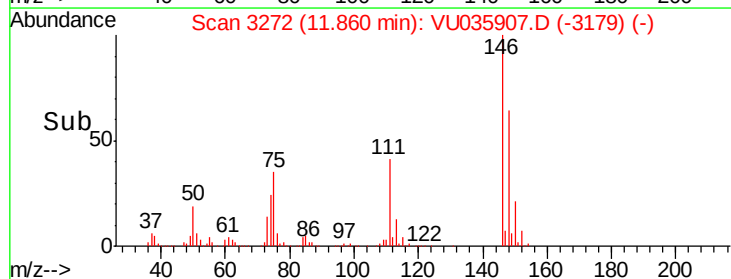
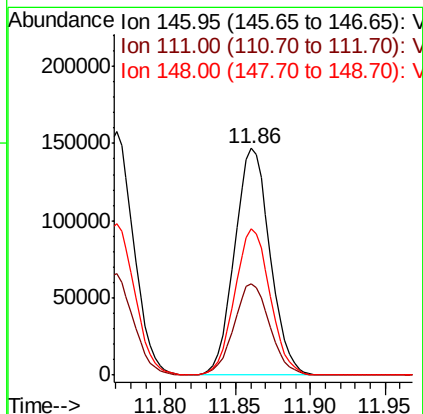
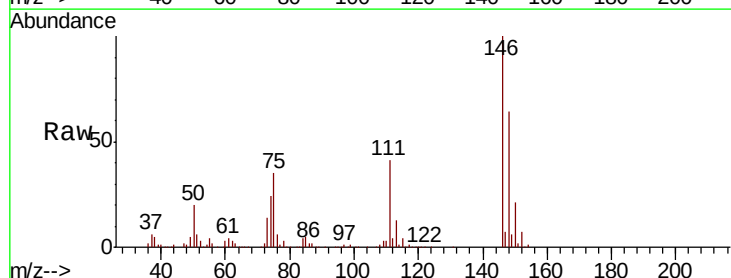
RT: 11.86 min Scan# 3272

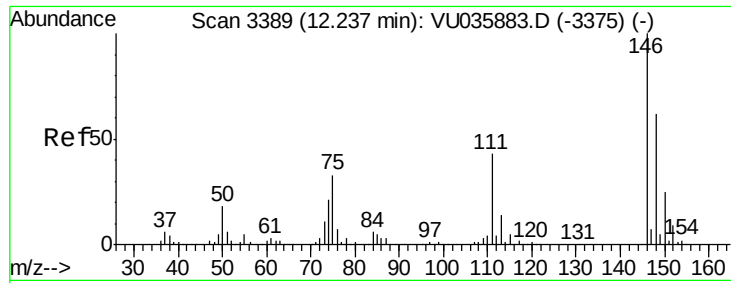
Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

Tgt Ion:146	Resp:	242726
Ion Ratio	Lower	Upper
146 100		
111 40.6	27.9	51.7
148 64.4	44.2	82.2





#65

1,2-Dichlorobenzene

Concen: 5.066 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

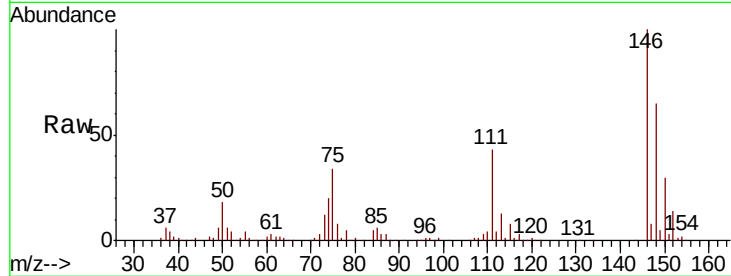
Tot Ion:146 Resp: 239853

Ion Ratio Lower Upper

146 100

111 43.1 35.4 53.0

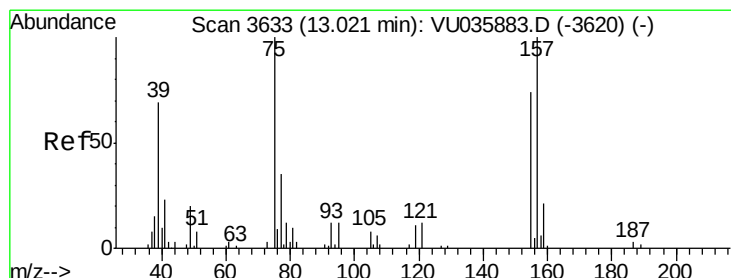
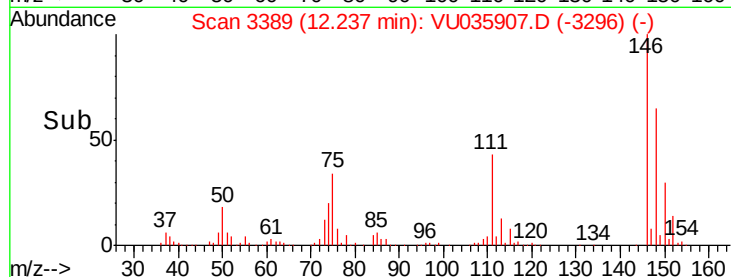
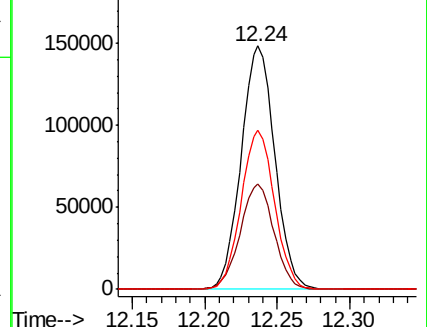
148 65.3 50.8 76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.844 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

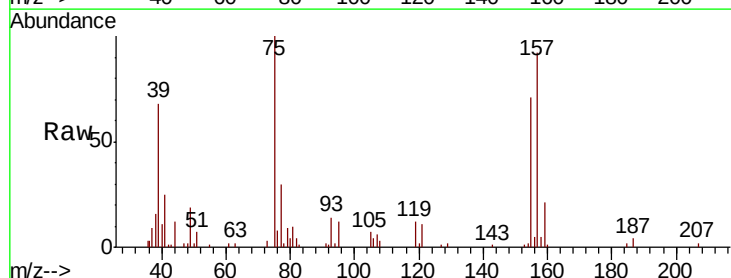
Tgt Ion: 75 Resp: 18978

Ion Ratio Lower Upper

75 100

155 70.7 55.4 83.2

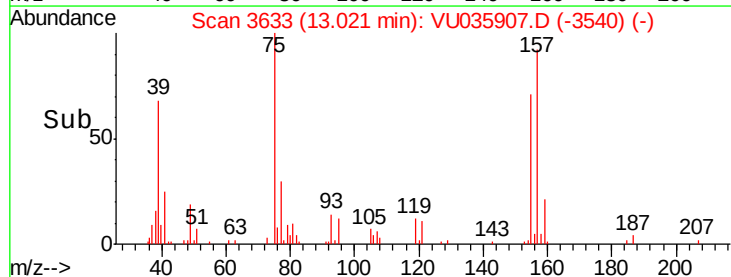
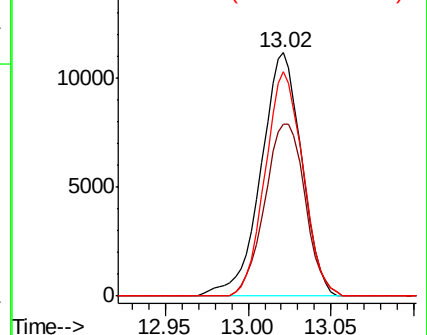
157 92.4 69.4 104.2

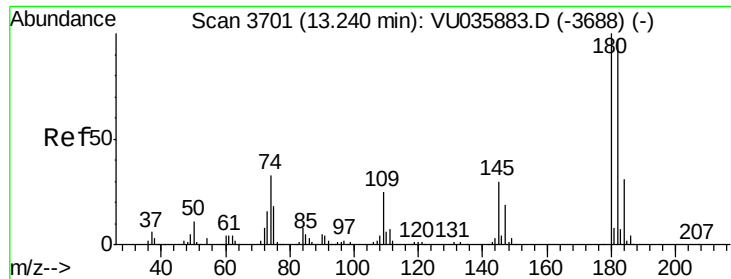


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

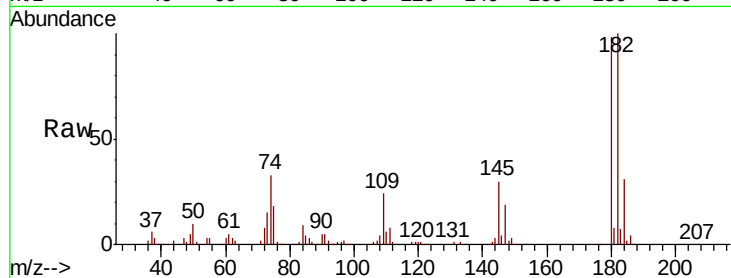




#67
 1,3,5-Trichlorobenzene
 Concen: 5.572 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035907.D
 Acq: 27 Nov 2019 20:13

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.6	113.4
184	30.4	24.1	36.1
145	29.7	23.7	35.5



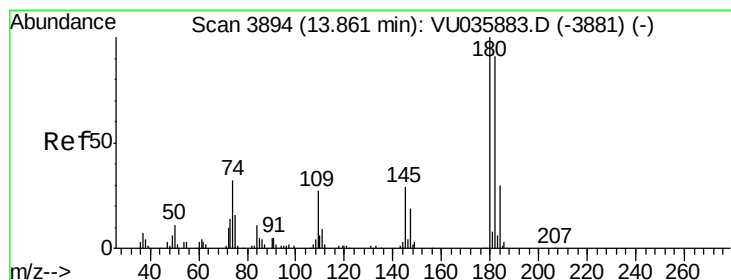
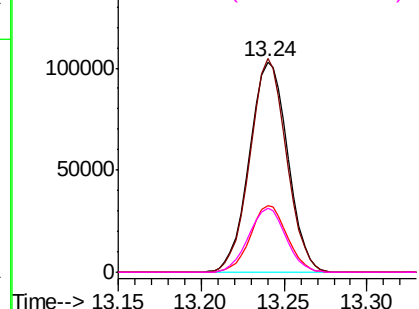
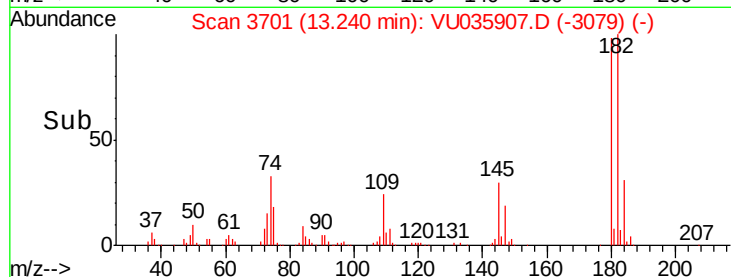
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

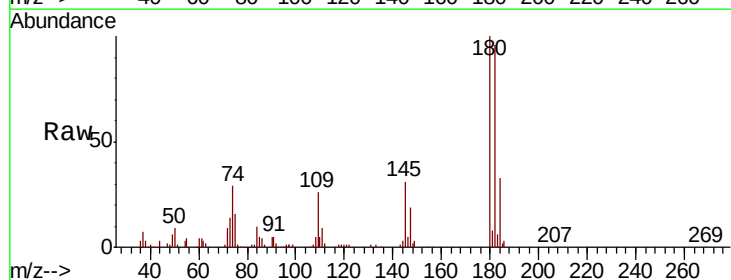
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.125 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU035907.D
 Acq: 27 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.1	112.7
145	30.0	24.0	36.0

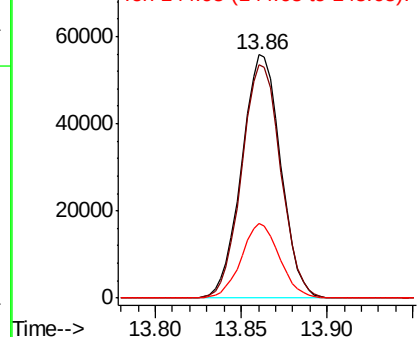
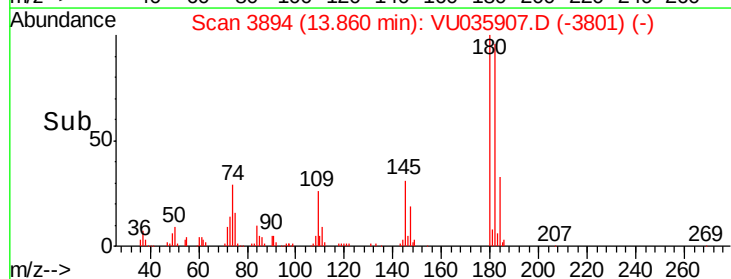


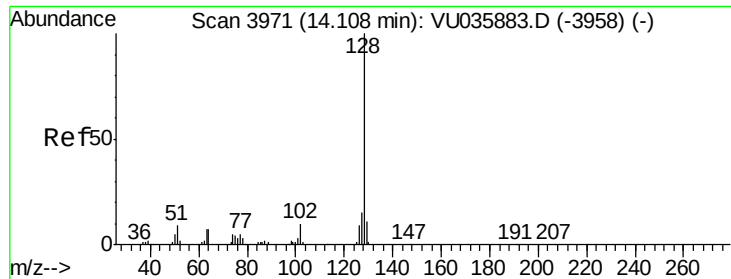
Abundance

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: 3.389 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

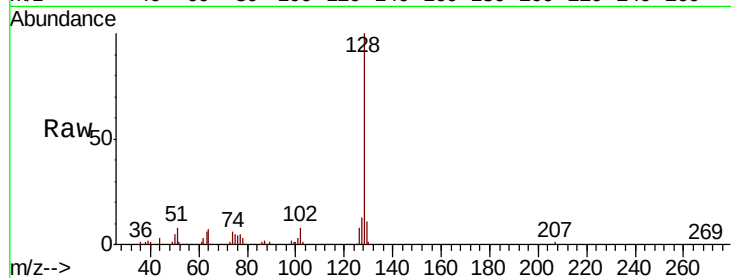
Tot Ion:128 Resp: 81792

Ion Ratio Lower Upper

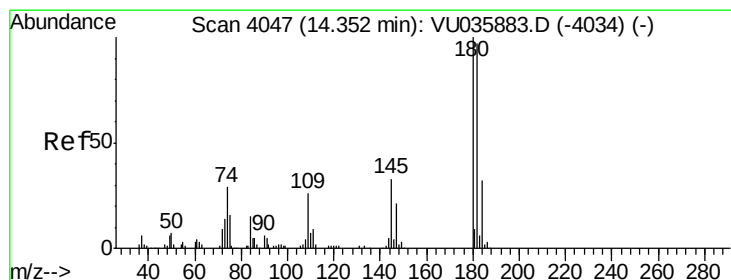
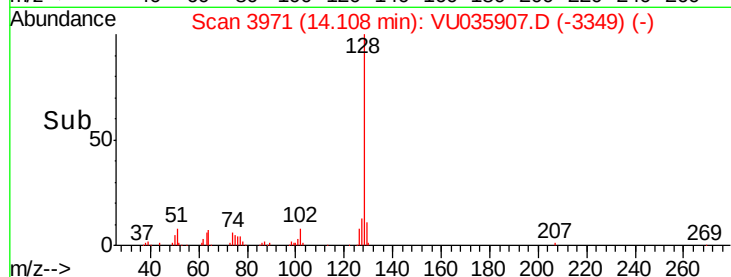
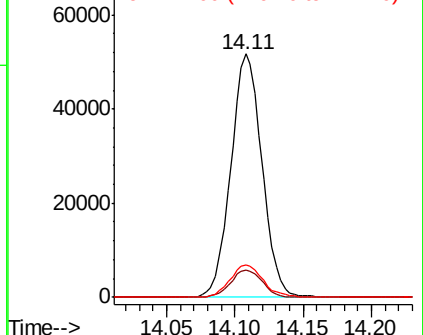
128 100

129 11.5 9.0 13.4

127 14.3 11.8 17.6



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: 5.329 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035907.D

Acq: 27 Nov 2019 20:13

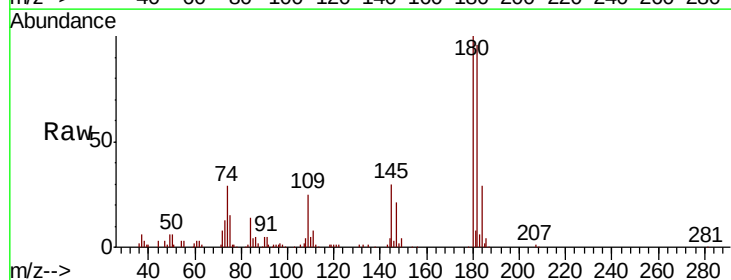
Tgt Ion:180 Resp: 88813

Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.0

145 30.4 24.7 37.1



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

